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December 22, 2005

Mr. J. I. Palmer, Jr., Regional Administrator
U.S. EPA, Region 4
Sam Nunn Atlanta Federal Center
61 Forsyth Street, SW
Atlanta, GA 30303

RE: December 2005 Early Action Progress Report

Dear Mr. Palmer:

South Carolina continues to be committed to the 8-hour Ozone Early Action Process. Partnership opportunities have been developed and the awareness of local officials about air quality issues has resulted in proactive, voluntary and regulatory actions that would not have occurred without the Early Action Compact (EAC) process. In South Carolina we continue to see activities that remain a part of the EAC process, above and beyond that required of an area with a "traditional" nonattainment designation.

Data from the EPA's Air Quality System (AQS) reveals South Carolina's continued attainment of the 8-hour ozone standard. The table in Enclosure 2 gives the 4th highest 8-hour averages for each of the 21 monitors for the years 2003, 2004, and 2005 as well as the current three-year average. These numbers are based on data validated through July 31, 2005. Once all of the 2005 data has been verified any necessary updates will be provided. No violations of the 8-hour ozone standard are expected.

South Carolina EAC's identify "key" milestones that are required for the continued deferral of the effective date of nonattainment designations and also milestones that track the progress being made by the state and local areas toward adoption and implementation of emission reduction measures. The attached document includes the table provided by EPA's guidance document of October 17, 2005, for each participating county identifying each of the local measures included in their respective local early action plan. Information regarding stakeholder meetings and other activities that have occurred since June 2005, as well as specific details documenting the progress toward measures included in the local early action plans is included for each county and is grouped by the following areas:

Appalachian: Anderson, Cherokee, Greenville, Oconee, Pickens, Spartanburg
Catawba: Chester, Lancaster, Union, York
Pee Dee: Chesterfield, Darlington, Dillon, Florence, Marion, Marlboro
Waccamaw: Georgetown, Horry, Williamsburg
Santee Lynches: Clarendon, Kershaw, Lee, Sumter
Berkeley-Charleston-Dorchester: Berkeley, Charleston, Dorchester
Low Country: Beaufort, Colleton, Hampton, Jasper
Lower Savannah: Aiken, Allendale, Bamberg, Barnwell, Calhoun, Orangeburg
Central Midlands: Fairfield, Lexington, Newberry, Richland
Upper Savannah: Abbeville, Edgefield, Greenwood, Laurens, Saluda

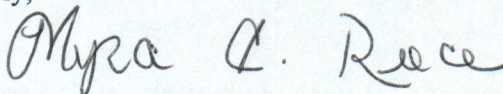
A table identifying statewide activities and progress made toward each is also included as well as information regarding a number of future activities that the state is involved with such as the planning of an EAC Summit to be held in 2006, car care activities for the month of April and the Southeastern Diesel Collaborative. South Carolina looks forward to working with EPA and other stakeholders in these future activities.

South Carolina also committed to an annual review of growth (highway mobile and stationary NOx sources) to ensure emission reduction strategies and growth are adequate as well as identification and quantification of federal, state, and/or local measures indicating sufficient reductions to offset growth estimates. The Departments' review found that for both areas designated nonattainment with the effective date deferred, the actual emissions were lower than the forecasted modeled data and the 2004 VMT was well below the action trigger. Additionally, the local and state transportation plans for the deferred Nonattainment areas shows a tremendous decrease in emissions over the next 25 years. Detailed information with supporting graphs is enclosed.

The Department continues to be pleased with the energy of the participants in the EAC process including counties, agencies, universities, organizations, businesses, industries and environmental groups. The continuing effort of these groups is a marvelous example of partnerships in many directions. Each of these diverse parties has come together for a worthy common goal of providing cleaner air sooner to the citizens of South Carolina.

Thank you for the continued assistance and support EPA has provided in this process. We look forward to continuing to work with EPA and other stakeholders as we implement measures to achieve cleaner air sooner for our citizens. Should you have questions or desire additional information, please do not hesitate to contact me at (803) 896-8940 or Myra Reece, Chief of the Bureau of Air Quality at (803) 898-4123.

Sincerely,



for/ Robert W. King, Jr., P.E.
Deputy Commissioner
Environmental Quality Control

Enclosures

cc: Kay Prince, EPA Region 4
County Officials (no attachments*)
Ron Methier, GA Dept. of Natural Resources (no attachments*)
Keith Overcash, NC Dept. of Environmental and Natural Resources (no attachments*)
Myra Reece (no attachments*)
EQC Regional Directors (no attachments*)

*All those not receiving attachments will be notified when materials are placed on our website.

South Carolina's Ozone Early Action Compact
December 2005 Progress Report
Enclosures
December 22, 2005

1. December 2005 Progress Report Document
2. 3-Year Ozone Average Summary to Date, AQS Data
3. South Carolina's Comprehensive Maintenance Plan
4. Local EAC Activities for Participating Areas
5. Statewide EAC Activities

Enclosure 1

December 2005 Progress Report Document



Enclosure 1
South Carolina's Ozone Early Action Compact
December 2005 Progress Report
December 22, 2005

South Carolina continues to be committed to the 8-hour Ozone Early Action Process. Partnership opportunities have been developed and the awareness of local officials about air quality issues has resulted in proactive, voluntary and regulatory actions that would not have occurred without the Early Action Compact (EAC) process. Education and awareness opportunities have informed thousands of people across South Carolina of the impact each and every one of us has on air quality and the benefits that will be awarded with improving air quality.

Transportation Conformity and Nonattainment New Source Review are requirements of the Clean Air Act that designated nonattainment areas must comply with. In place of Transportation Conformity, South Carolina has implemented the Smart Highways Program. Detailed information on Smart Highways is covered later in this document. Additionally, nonattainment new source review is a more restrictive construction permitting process for certain stationary sources in nonattainment areas. A review of permit applications revealed that there have been no construction projects in the deferred counties that would have required a nonattainment new source review since the designation date. This simply means that no emission reductions can be attributed to this federal prescriptive requirement.

The Department continues to be pleased with the energy of the participants in the EAC process including counties, agencies, universities, organizations, businesses, industries and environmental groups. The continuing effort of these groups is a marvelous example of partnerships in many directions. Each of these diverse parties has come together for a worthy common goal of providing cleaner air sooner to the citizens of South Carolina.

Perhaps the most important information provided in this report is that data from AQS reveals attainment of the 8-hour ozone standard. A table is included in Enclosure 2. This table gives the 4th highest 8-hour averages for each monitor for the years 2003, 2004, and 2005 as well as the current three-year average. These numbers are based on data validated through July 31, 2005. Once all of the 2005 data has been verified any necessary updates will be provided. As reflected in the table, South Carolina attains the 8-hour Ozone standard across the entire state.

When the Environmental Protection Agency (EPA) named areas across the nation as not attaining the standard, only 3 areas in South Carolina were included. Those were the Columbia area (portions of Lexington and Richland counties), the Greenville-Spartanburg-Anderson area and a portion of York County. That portion of York County (included in the Charlotte-Rock Hill-Gastonia (NC-SC) Metropolitan Statistical Area) was the only area designated as nonattainment with an effective date of June 2004. The other two areas, Columbia and Greenville-Spartanburg-Anderson were designated nonattainment, but because of their commitment to the Early Action process, the effective date was deferred. Each of the remaining counties in South Carolina continues to participate in the Early Action process, even though they are meeting the 8-hour Ozone standard. This shows local government commitment to protecting the health and environment for the citizens of South Carolina.

Beginning with December 2003 to present, this report represents the fifth bi-annual progress report. In addition, local plans were submitted in March 2004. The local plans identified the emission reduction measures that would be implemented by the participating county. The South Carolina EAC State Implementation Plan (EAC SIP) was submitted December 2004 and supplemental information to the EAC SIP was submitted on April 20, 2005. Each of these submittals contains information updating local and state measures supporting the EAC process and can be found on the EPA website (http://www.epa.gov/ttn/naaqs/ozone/eac/eac_r4.htm#SC_swcor) as well as the Department of Health and

Environmental Control (DHEC) website (<http://www.scdhec.gov/eqc/baq/html/eap.html>). Enclosure 4 includes the table provided by EPA's guidance document of October 17, 2005, for each county identifying each of the local measures included in their respective local early action plan. The table includes progress made since the June 2005 Progress Report in addition to links to previous reports and websites that have included updates and specific information regarding each strategy. The table for each participating county, is grouped by the following areas:

Appalachian: Anderson, Cherokee, Greenville, Oconee, Pickens, Spartanburg
 Catawba: Chester, Lancaster, Union, York
 Pee Dee: Chesterfield, Darlington, Dillon, Florence, Marion, Marlboro
 Waccamaw: Georgetown, Horry, Williamsburg
 Santee Lynches: Clarendon, Kershaw, Lee, Sumter
 Berkeley-Charleston-Dorchester: Berkeley, Charleston, Dorchester
 Low Country: Beaufort, Colleton, Hampton, Jasper
 Lower Savannah: Aiken, Allendale, Bamberg, Barnwell, Calhoun, Orangeburg
 Central Midlands: Fairfield, Lexington, Newberry, Richland
 Upper Savannah: Abbeville, Edgefield, Greenwood, Laurens, Saluda

This document includes highlights of activities in the deferred nonattainment areas as well as statewide activities. Detailed information may be found on the tables in Enclosure 4.

Deferred Nonattainment Areas GREENVILLE- SPARTANBURG -ANDERSON AREA

Air Quality Education and Awareness: Greenville County is preparing a grant application due to USEPA Region 4 on December 23, 2005, in advance of the 2006 Ozone Season. The County is planning on conducting an extensive public awareness campaign should the grant application be approved. Items would include: radio and TV advertisements, informational wheels, brochures, involvement in community activities, and funds to enable the Greenville Transit Authority to provide free transit services during high ozone alert days.

Alternative Transportation – Walking/Biking: Spartanburg Area Transportation Study (SPATS MPO) is one of thirteen areas across the nation selected by the National Center for Bicycling and Walking for the 2004-2005 "Walkable Community Workshops" program. Workshops were held in 8 different areas of the SPATS MPO in May 2005 for this program. SPATS staff continue to be active in ongoing educational efforts aimed at encouraging alternate modes of travel.

Transportation Planning: Anderson County Council passed a resolution in December 2005 creating a committee to investigate capital funding projects for roads and bridges; within that commission, they will also be looking at funding for projects to relieve congestion on county roads and the addition of bike lanes on county roads.

Intelligent Transportation Systems: Greenville County completed implementing the congestion management plan on several major thoroughfares; cameras and variable message boards have been installed on I-85 through Anderson, Greenville and Spartanburg Counties. In December 2005, the Greenville County Planning Commission retained the services of a transportation consultant to update the Long Range Transportation plan including an updated congestion management plan and a bicycle and pedestrian plan.

Intelligent Transportation Systems: The Spartanburg Area Transportation Study (SPATS) MPO continues to program funds for congestion management plan on several major thoroughfares; cameras and variable message boards have been installed on I-85 through Anderson, Greenville and Spartanburg

Counties. Current SPATS projects designed to manage congestion without adding lanes to a thoroughfare include: Spartanburg City Traffic Signalization, SC 9 Signal Coordination, and intersection improvements along Old Furnace Rd. In addition, through its Enhancement Program, SPATS continues to fund pedestrian and bicycle education efforts, and specific projects on the ground. The Long Range Transportation plan, currently being revised, will include an updated congestion management plan and a bicycle and pedestrian plan.

School buses: Approximately 90 diesel buses will be retrofitted with particulate filters during 2006 in the Greenville-Spartanburg-Anderson area. A reduction in VOC emissions as well as other pollutants is expected. The Education Department also purchased 61 new buses that should be on the road in late 2005.

Promote research in energy efficiency at local universities, industries, energy companies, federal government, and other institutions that improve air quality: In 2005, Clemson University received an \$856,000 award from the Department of Energy (DOE) to develop more efficient processes for the centralized production of hydrogen by splitting water. The award was one of only three made nationwide under DOE's Nuclear Hydrogen initiative. The Clemson team will interact not only with U. S. engineers and scientists but also with those in France, Italy, and Japan, all of whom have teams working on related processes. Clemson University is developing the International Center for Automotive Research (Clemson-ICAR) in Greenville. The ICAR project will be the premier automotive and motorsports research and educational center in South Carolina. Research will emphasize development of innovative materials and processing technologies, which will enable the development of more efficient, and environment friendly vehicles, as well as electrical power generators.

Alternative Fuels: In 2005, Clemson University Professor James G. Goodwin, Jr., chair of the Clemson's chemical and biomolecular engineering department, received a DOE grant for energy research through DOE's State Technologies Advancement Collaborative. Goodwin's work focuses on the performance of iron-based bimetallic catalysts that are crucial to synthesis of clean fuels, additives and lubricants derived from coal and biomass gasification. Clemson will lead a partnership that includes Louisiana State University, the S.C. State Energy Office, the Louisiana State Energy Office, North Carolina's Research Triangle Institute, Rentech and Sud-Chemie Inc. This grant reflects \$875,499 in DOE-STAC funds and \$294,499 in cost sharing by the industrial and governmental participants.

Alternative Fuel Infrastructure: In June 2005, a local company began selling E-85 at two stations located along Interstate 85, increasing the number of public E85 sites in the Upstate area to 12. Currently there are a total of 10 public E85 sites in Greenville County with one of those 10 being split between Greenville and Spartanburg. There is 1 public E85 site in Anderson County.

Green Power: A Green Power station will be constructed at the Anderson Regional Landfill in 2006. Santee Cooper, through Blue Ridge Electric Cooperative, recently began offering the purchase of Green Power to Anderson, Greenville, Oconee, Pickens and Spartanburg County residents. Residential customers who increased their purchase of Green Power by 2 blocks were offered a free energy analysis between October 1 and December 31, 2005.

Open Burning: At the November 2005 Upstate Air Quality Steering Committee meeting, the Committee directed staff to coordinate with local governments to enforce DHEC's burning ban year-round.

COLUMBIA AREA (Richland and Lexington Counties)

Stakeholder Meetings: Lexington County EAC contacts met with SELC on June 6, 2005.

Air Quality Education and Awareness: Richland and Lexington Counties have formed a partnership with other agencies to develop a gas powered lawnmower/lawn equipment exchange; kerosene can exchange; and a gas cap replacement/gas cap wrenches event.

Ozone Awareness: Richland County website has a direct link to the ozone forecast. The ozone coordinator, frequently issues press releases and offers media interviews to promote ozone awareness and to highlight county initiatives. E-mails in 2005 included updates on forecasted ozone action days, information on the availability of E85 and other alternative fuels, a list of things you can do to improve air quality, and car maintenance tips to improve fuel efficiency and lower emissions.

Ozone Awareness: Richland County has entered into an agreement with a local station to broadcast Richland Revealed at 11:30 am on Sunday mornings. An episode of the show to be dedicated to air quality is planned for the spring of 2006. This episode will highlight the importance of clean air, and promote steps that can be taken to reduce pollution.

Ozone Awareness: Informational posters were placed in the lobby of the Richland County Administrative Building, directly across from the Treasurer's Office, where residents come to pay vehicle and other taxes.

Alternative Transportation – Walking/Biking: The Columbia Area Transportation Study (COATS MPO) is conducting a planning study for bicycle and pedestrian facilities in the Central Midlands regions (Lexington, Richland, Kershaw, and Calhoun counties). A public meeting was held on November 14, 2005.

Alternative Fuel Infrastructure: Currently there are two public E85 sites in Lexington County and 7 public sites in Richland County.

Idling: Lexington County has 15 trucks that are equipped with Engine Control Module software in which idling time is set for 5 minutes. Caterpillar has incorporated this in the engine software (ACERT Technology).

Green Power: A Green Power station will be constructed at the Screaming Eagle Landfill in 2006. Santee Cooper, through Mid-Carolina Electric Cooperative, offers the purchase of Green Power to residents in Lexington, Richland, Newberry, Saluda and Aiken counties. Residential customers who increased their purchase of Green Power by 2 blocks were offered a free energy analysis between October 1 and December 31, 2005.

Land Use – Park and Ride Facilities: Richland County is expected to begin a pilot park-and-ride program in the spring of 2006. Visual inspections of the park and ride facility in Lexington County at Highway 378 and I-20 revealed maximum usage.

Land Use: Lexington County Planning Department working with county council and developers for proposed scenic corridors throughout the county for preservation of natural buffers along roadways.

Land Use: Through Richland County's new Land Development Code that went into effect on July 1, 2005, the county has altered its zoning regulations, design controls, and "green development" practices in an effort to promote smart, sustainable growth, which will aid in improving air quality throughout the county and region. Updates to the code are designed to address the following areas:

1. To provide for adequate light, air, and open space;
2. To prevent the overcrowding of land to avoid undue concentration of population and to lessen congestion in the roads;
3. To facilitate the creation of a convenient, attractive, and harmonious community;

4. To protect and preserve scenic, historic, cultural, or ecologically sensitive areas;
5. To regulate the density and distribution of populations and the uses of buildings, structures and land for trade, industry, residence, recreation, agriculture, forestry, conservation, airports and approaches thereto, water supply, sanitation, protection against floods, public activities and other purposes;
6. To facilitate the adequate provision or availability of transportation, police and fire protection, water, sewage, schools, parks and other recreational facilities, affordable housing, disaster evacuation, and other public services and requirements as are set forth in this chapter;
7. To secure safety from fire, flood, and other dangers;
8. To encourage the development of an economically sound and stable county;
9. To assure the timely provision of required roads, utilities, and other facilities and service to new land developments;
10. To assure the adequate provision of safe and convenient traffic access and circulation, both vehicular and pedestrian, in and through new land developments;
11. To assure the provision of needed public open spaces and building sites in new land developments through the dedication or reservation of land for recreational, educational, and/or transportation purposes;
12. To assure, in general, the wise and timely development of new areas, and redevelopment of previously developed areas in harmony with the comprehensive plans of Richland County and its municipalities;
13. To assure compatibility between neighboring properties and adjacent zoning districts; and
14. To further the public welfare in any other regard specified by the Richland County Council.

In addition to the progress indicated by each county on the enclosed spreadsheets, the Department continues to be involved with the counties in a number of other projects that benefit air quality locally as well as statewide. Details of these activities are included in Enclosure 5.

State Activities

Smart Highways: The Smart Highways effort through the EAC process addresses transportation planning and any impact transportation might have on air quality. This approach is not a requirement of the EAC and is not being done in any other EAC area in the country. It is an example of the commitment by air quality and transportation agencies at the local, state, and federal level. It also acts as the basis for a back up plan should the EAC process be denied. In addition, South Carolina already has in place the necessary consultation procedures to address traditional transportation conformity requirements for all pollutants in any nonattainment area. Again, this initiative is something no other state has accomplished.

As a result of this effort, each of the four Metropolitan Planning Organizations (MPOs) in deferred nonattainment areas (Greenville, Anderson, Spartanburg, Richland and Lexington counties) demonstrated that their respective long-range transportation plan eliminates or reduces violations of the national ambient air quality standards (NAAQS). Copies of the four MPO reports may be found at http://www.scdhec.gov/eqc/baq/html/eap_Smart_Highways.html.

The documentation in the reports was the subject of interagency consultation. Interagency consultation began in January 2003, and continued through completion of the emissions analysis with regular meetings to discuss and agree upon schedules, model parameters, latest planning assumptions, horizon years, exempt projects, and regionally significant projects. In addition, each of the MPOs provided public review of this report in accordance with the respective MPO's public involvement policy. A key element of the public involvement process is a public review of transportation planning documents including the Long-Range Transportation Plan.

Using 2002 as the base year, the following table shows that the emissions expected from implementing the proposed MPO long-range transportation plan(s) are less than emissions from either the baseline case or the no-build case for 2007. Further emission reductions are forecasted for the longer term. The specific numbers can be found in each MPO's report.

	ANATS NO _x	VOC	GPATS NO _x	VOC	SPATS NO _x	VOC	COATS NO _x	VOC
2002	7.703	4.354	30.213	19.276	17.96	10.58	45.295	27.135
2007	5.507	2.94	21.58	13.648	11.86	6.83	32.017	18.962
Reduction tpd	2.196	1.414	8.633	5.628	6.1	3.75	13.278	8.173
Reduction tpy	801.54	516.11	3151.045	2054.22	2226.5	1368.75	4846.47	2983.145

tpd = tons per day
tpy = tons per year

Education and Outreach: A toll free number was utilized in 2005 to make the forecast more available. The number of contacts for the e-mail distribution for this season was over 130 contacts. Department staff assisted Anderson County in a gas can exchange program in which over 200 new, environment friendly gas cans were distributed. Working with a middle school in the Columbia area, Department staff helped initiate education materials to support no idling for school buses and car pool drivers. The school developed and implemented a no-idling policy for the grounds. This school was recognized by DHEC's "Champions of the Environment" program.

Commuting Reduction Programs: The *Take a Break for the Exhaust* (TABFTE) program expanded for 2005. Participants include the Bureau of Air Quality, Bureau of Water, Bureau of Land and Waste Management, the South Carolina Energy Office and the Wisconsin Department of Natural Resources. The *SmartRide* Program for the Newberry to Columbia route saw an increase of 200 percent between January and November 2006. In February 2003, the Bureau of Air Quality (Bureau) was designated as a "Best Workplace for Commuters." The Bureau currently holds the only designation in South Carolina.

Palmetto State Clean Fuels Coalition: The Palmetto State Clean Fuels Coalition hosted a Biofuels Showcase on November 18, 2005. This event showcased ethanol and biodiesel and featured a Ride and Drive event where participants had a chance to drive the AFV's on display. Over the last decade, Clean Cities Coalitions have reported activities that have displaced more than a billion gallons of petroleum in transportation. By implementing projects that make use of alternative fuels, hybrid vehicles, truck idle reduction, fuel blends, and fuel economy improvement, Coalitions have helped build local and regional markets for non-petroleum solutions to our energy challenges. On October 14, 2005, the Palmetto State Clean Fuels Coalition hosted a variety of celebratory events in Rock Hill, Aiken, Columbia and Greenville.

There are currently 23 public E85 refueling sites in South Carolina with 4 additional stations planned with the next 6 months. In addition to the E-85 refueling sties located at the SC DHEC in Columbia, there are 5 other refueling sites that are not open to the public (2 in Aiken County at the Savannah River Site; 1 in Berkeley County at Santee Cooper; and 2 in Horry County). In 2006, the University of South Carolina and the City of Rock Hill each have plans to install an E85 refueling site; bringing the total number of non-public refueling sites to 8 during 2006.

Energy Efficiency: The Bureau of Air Quality experienced an estimated 28 percent energy savings in 2005 using the computer monitor power management software. This software has recently been installed on the servers for the Bureau of Water and Bureau of Land and Waste Management, increasing the number of computer monitors from 150 to over 500.

State EAC Regulations: Regulation 61-62.5, Standard 5.2, Control of Oxides of Nitrogen (NO_x), is a newly-promulgated, broad-based regulation that applies state-wide to new and existing stationary sources that emit NO_x from fuel combustion and have not undergone a best available control technology (BACT) analysis for NO_x. The regulation is designed primarily to assist with the issue of growth and is also geared toward smaller sources that fall below the applicability thresholds for prevention of significant deterioration (PSD). These are sources that, for the most part, would not otherwise be required to install NO_x controls.

For new sources, the regulation requires the installation of control technology that is based on BACT standards found in the national RACT/BACT/LAER clearinghouse. For existing sources, the regulation only applies when an applicable unit replaces their burner. At this point, they will be required to replace their burner with a low burner or equivalent technology capable of achieving a 30 percent reduction from uncontrolled levels.

The NO_x reductions for new sources that we expect to achieve as a result of this regulation vary greatly depending on the source type. For instance, for new combined cycle natural gas turbines of less than 50 megawatts capacity will be required to install controls that will achieve the equivalent of a 94 percent reduction from uncontrolled levels. The control requirements will help ensure that the growth of NO_x emissions is controlled.

For existing sources, this regulation will be triggered based on existing sources replacing their burners and it may take a number of years for these reductions to be realized. However, these estimates, based on the number of applicable sources in the inventory, indicate that when fully implemented, the regulation has the potential to reduce NO_x emissions by 2,913.51 tons per year.

It is important to note that these reductions were not used to support the modeling demonstration. Even without these additional control measures, which will apply statewide rather than just in select areas, modeling analysis indicates that all monitors will be attaining the standard by 2007. However, the reductions from these regulations are quantifiable, permanent and will ensure that South Carolina gets cleaner air sooner.

The other regulation that was revised in order to get additional reductions in ozone precursors as part of the EAC process was Regulation 61-62.2, Prohibition of Open Burning. The most significant revisions to this regulation are as follows: deleting the exception for the burning of household trash, revising the exception for the burning of construction waste, and revising the exception for fires set for the purpose of firefighter training.

The burning of household trash presents health and environmental concerns for many communities. The smoke generated from these activities is a nuisance to some and a health threat to others with asthma or other respiratory problems. Regulation 61-62.2 had previously prohibited the burning of household waste except where other disposal options were not available. This activity is now clearly prohibited and this should provide the clarity necessary to help us enforce this restriction.

With respect to the exception for the burning of construction waste, the Department has revised this provision to allow only residential construction waste to be burned and this will only be allowed if it meets the provisions of the regulation. For instance, such waste will now only be allowed to be burned outside of the ozone season (only between November 1 and March 31) and only if the burning is conducted at least five hundred feet from any occupied structure. Furthermore, only certain "clean" wastes are allowed to be burned. Again, the Department believes that the burning of construction waste presents health and environmental concerns for many and that prohibiting this waste from being burned will alleviate some of these concerns and will also provide additional NO_x reductions.

Finally, the exception for the purpose of firefighter training has been revised to ensure that minimum health, environmental and safety concerns are addressed. The Department intends to do a review of permanent firefighter training facilities and will evaluate nonpermanent sites and require Department approval prior to a burn.

Based on the Department's 1999 emissions inventory, residential burning of household waste generates 2,379 tons of NO_x and 11,896 tons of VOCs in the state annually. As for the ban on the burning of construction waste, the data indicates that the ban on residential construction waste alone will result in annual reductions of 147 tons of NO_x and 625 tons of PM (see Appendix 13 for further information). Information on the amount of reductions to be expected from the ban on the burning of commercial construction waste is not available, but it is clear that substantial reductions in NO_x and VOCs will occur statewide starting in 2004 as a direct result of the elimination of this activity as well.

Future State Activities

EAC Summit: The Department is in the early planning stages for a 2006 EAC Summit. We look forward to working with EPA and other stakeholders in providing programs, information and tools to the EAC contacts in South Carolina. Maintaining momentum in this program is essential in keeping this proactive opportunity and we look forward to working with the counties in providing alternative approaches to improving air quality.

April Car Care Month: Despite numerous improvements in automotive technology, motor vehicles continue to be a major source of air pollution, accounting for approximately 45 percent of the ozone-causing nitrogen oxides (NO_x) in our nation's air. April is National Car Care Month. DHEC is soliciting involvement from the EAC contacts to create a plan for a local program(s) to focus on emissions from automobiles. There is also an opportunity to partner with the State Museum to anchor a statewide awareness campaign regarding the effect of automobiles on local air quality. More information will be provided as this opportunity unfolds.

Southeastern Diesel Collaborative: The Southeastern Diesel Collaborative is a new partnership between US EPA Region 4, State and local air quality programs, and other public and private entities and is intended to promote opportunities to reduce diesel emissions. The collaborative is modeled after other regional diesel collaboratives, which have proven beneficial for addressing a significant source of mobile source air pollution. The collaborative is seeking to have its first membership meeting during the first quarter of 2006. South Carolina is excited to be able to participate in this forum to ensure access to the latest technological advances in the control of diesel emissions and to able to share the information gathered with other local government and private companies.

School Buses: The South Carolina Department of Education (SDE) operates over 5,000 school buses across the state. SDE has agreed to make York County and the five deferred areas the top priority in assigning new and retrofitted buses to service. SDE is also partnering with private companies and local school districts to provide specific funding for school bus retrofits and clean air programs.

Enclosure 2

December 2005 Progress Report Document 3-Year Ozone Average Summary to Date, AQS Data




County	Monitoring Site	2000 4th 8-hr Average (ppm)	2001 4th 8-hr Average (ppm)	2002 4th 8-hr Average (ppm)	2003 4th 8-hr Average (ppm)	2004 4th 8-hr Average (ppm)	2005 4th 8-hr Average (ppm)	2003-2005 Current 3 Year Average (ppm)
Abbeville	Due West	0.085	0.082	0.088	0.077	0.075	0.082	0.078
Aiken	Jackson	0.093	0.081	0.092	0.069	0.080	0.077	0.075
Anderson	Powdersville	0.084	0.088	0.093	0.078	0.076	0.082	0.079
Barnwell	Barnwell	0.090	0.074	0.086	0.073	0.072	0.074	0.073
Berkeley	Bushy Park	0.080	0.071	0.074	0.070	0.073	0.069	0.071
Charleston	Cape Romain	0.076	0.068	0.074	0.074	0.070	0.077	0.074
Cherokee	Cowpens	0.088	0.080	0.093	0.079	0.068	0.078	0.075
Chester	Chester	0.078	0.083	0.093	0.078	0.069	0.083	0.077
Chesterfield	Chesterfield			0.092	0.075	0.074	0.078	0.076
Colleton	Ashton	0.080	0.076	0.085	0.069	0.071	0.072	0.071
Darlington	Pee Dee	0.087	0.081	0.090	0.075	0.076	0.079	0.077
Edgefield	Trenton	0.079	0.077	0.094	0.068	0.071	0.071	0.070
Oconee	Long Creek	0.082	0.078	0.094	0.079	0.075	0.075	0.076
Pickens	Clemson	0.081	0.088	0.088	0.078	0.074	0.081	0.078
Richland	Congaree Bluff	0.073	0.076	0.082	0.074	0.067	0.078	0.073
Richland	Parklane	0.096	0.082	0.084	0.075	0.082	0.082	0.080
Richland	Sandhill	0.097	0.091	0.093	0.083	0.082	0.086	0.084
Spartanburg	N. Spartanburg FD	0.089	0.090	0.093	0.079	0.082	0.082	0.081
Union	Delta	0.079	0.079	0.085	0.078	0.072	0.078	0.076
Williamsburg	Indiantown	0.077	0.067	0.077	0.069	0.069	0.068	0.069
York	York	0.076	0.080	0.096	0.076	0.071	0.079	0.075



South Carolina - 2005 Ozone Summary

(Validated through July 31)

	A	B	C	D	E	F	G	H	I	J	K	L	M
1		Monitoring	Total		1st 8-hr		2nd 8-hr		3rd 8-hr		4th 8-hr		5th 8-hr
2	County	Site	Hits	Date	Average	Date	Average	Date	Average	Date	Average	Date	Average
3	Abbeville	Due West	1	Apr-19	0.087	Sep-10	0.084	Apr-18	0.083	Apr-20	0.082	Sep-9	0.076
4	Aiken	Jackson	0	Apr-19	0.082	Apr-18	0.079	Sep-15	0.078	May-9	0.077	May-12	0.076
6	Anderson	Powdersville	0	Apr-19	0.084	Jun-24	0.083	Sep-10	0.083	Sep-19	0.082	Apr-18	0.078
7	Barnwell	Barnwell	0	Apr-19	0.075	Jul-27	0.075	May-26	0.074	Jun-15	0.074	May-24	0.072
8	Berkeley	Bushy Park	0	May-9	0.078	Apr-5	0.077	May-24	0.071	Apr-21	0.069	Apr-11	0.068
10	Charleston	Cape Romain	0	May-9	0.082	Apr-5	0.078	Jun-23	0.078	May-8	0.077	May-27	0.075
11	Cherokee	Cowpens	0	Aug-4	0.082	May-17	0.080	Sep-20	0.079	Apr-19	0.078	Sep-10	0.077
12	Chester	Chester	3	Aug-3	0.091	Sep-10	0.089	Aug-4	0.088	May-9	0.083	Apr-18	0.080
13	Chesterfield	Chesterfield	0	Apr-18	0.083	Apr-19	0.083	Apr-20	0.081	Apr-5	0.078	Apr-21	0.078
14	Colleton	Ashton	0	Apr-19	0.078	Apr-29	0.075	Apr-5	0.073	May-24	0.072	Jun-16	0.072
15	Darlington	Pee Dee	1	May-12	0.086	May-27	0.083	May-9	0.081	Apr-5	0.079	Apr-18	0.078
16	Edgefield	Trenton	0	Apr-19	0.082	Apr-18	0.072	Apr-20	0.071	Jun-23	0.071	Jul-27	0.071
18	Oconee	Long Creek	1	Apr-19	0.088	Apr-18	0.077	Jun-24	0.077	Apr-20	0.075	Jun-23	0.073
20	Pickens	Clemson	1	Apr-19	0.089	Apr-20	0.082	Apr-18	0.081	May-11	0.081	Jun-24	0.081
21	Richland	Congaree Bluff	0	Apr-19	0.081	Jul-27	0.079	Apr-18	0.078	Apr-20	0.078	Apr-5	0.074
22	Richland	Parklane	2	Apr-19	0.090	May-12	0.087	Jul-26	0.084	Jul-27	0.082	Apr-18	0.079
23	Richland	Sandhill	7	Apr-19	0.096	May-12	0.092	Jul-26	0.087	Apr-18	0.086	Apr-21	0.085
24	Spartanburg	N. Spartanburg FD	3	Apr-19	0.086	Jul-27	0.086	Sep-20	0.085	Apr-20	0.082	Jul-25	0.082
25	Union	Delta	1	Sep-10	0.085	Apr-19	0.081	Apr-18	0.080	Apr-20	0.078	Jul-26	0.077
26	Williamsburg	Indiantown	0	Apr-5	0.072	Jun-16	0.070	Jul-27	0.070	Apr-19	0.068	Apr-20	0.068
27	York	York	1	Sep-10	0.086	Apr-18	0.082	Apr-19	0.079	Apr-20	0.079	Sep-9	0.079
28													
29		2005	Total Hits at All Ozone Monitors						21				
30			Total Days Above Ozone Standard Statewide						12				
31													
32													
33													
34													
35													
36													
37													
38													
39													
40													
41													



D H E C

PROMOTE PROTECT PROSPER

South Carolina Department of Health
and Environmental Control

Enclosure 3

December 2005 Progress Report Document South Carolina's Comprehensive Maintenance Plan



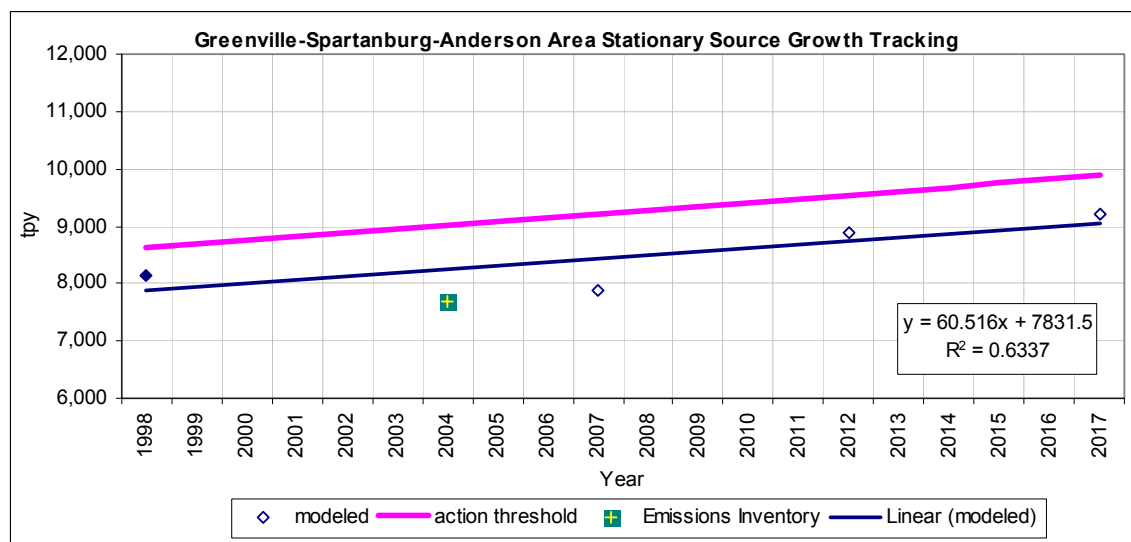
Enclosure 3
South Carolina's Ozone Early Action Compact
December 2005 Progress Report
Comprehensive Maintenance Plan
December 22, 2005

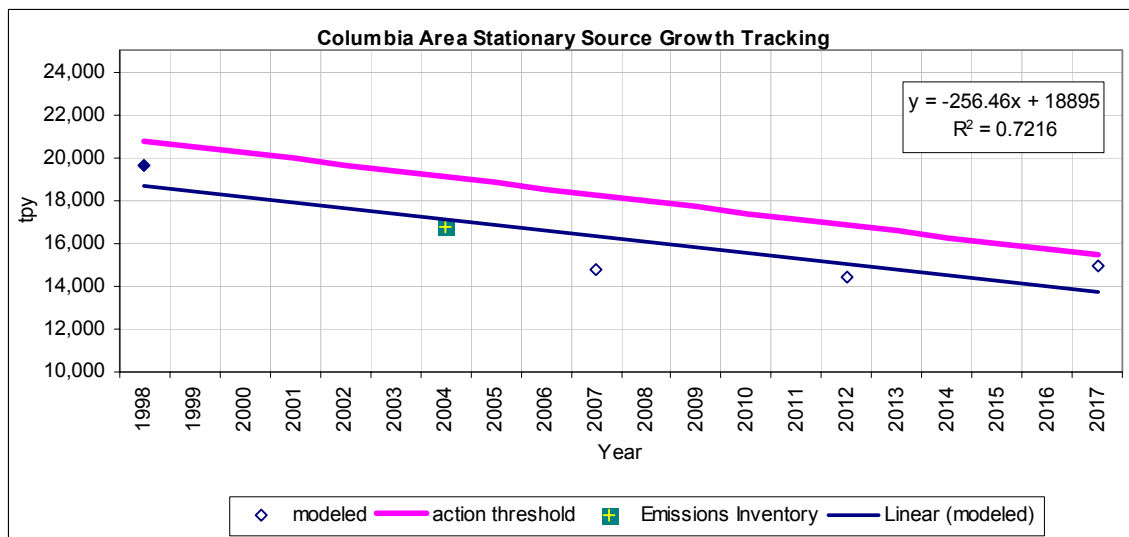
South Carolina has committed to a comprehensive maintenance plan. This commitment far exceeds the maintenance requirements in the EAC protocol. The South Carolina EAC maintenance plan is similar to the requirements for section 175A of the Clean Air Act, none of which are required for EAC areas. A Notice of General Public Interest was published in the *State Register* on May 27, 2005, scheduling a thirty-day public notice and comment period. A public hearing was held on June 30, 2005.

South Carolina's commitment included an annual review of growth (highway mobile and stationary NO_x sources) to ensure emission reduction strategies and growth are adequate as well as identification and quantification of federal, state, and/or local measures indicating sufficient reductions to offset growth estimates. The Departments' review found that for both areas designated nonattainment with the effective date deferred, the actual emissions were lower than the forecasted modeled data and the 2004 VMT was well below the action trigger.

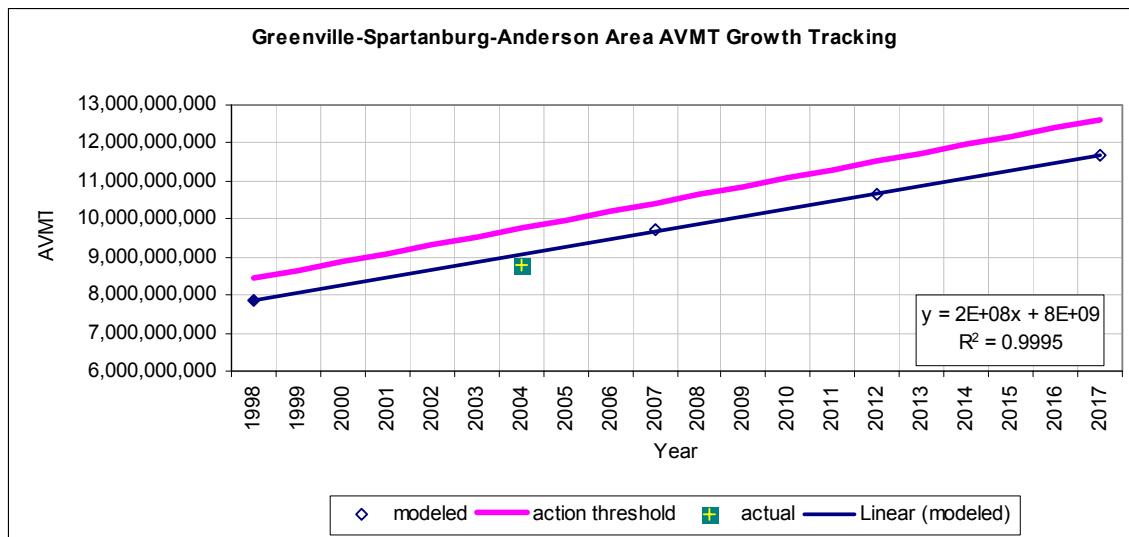
Annual Review of Growth

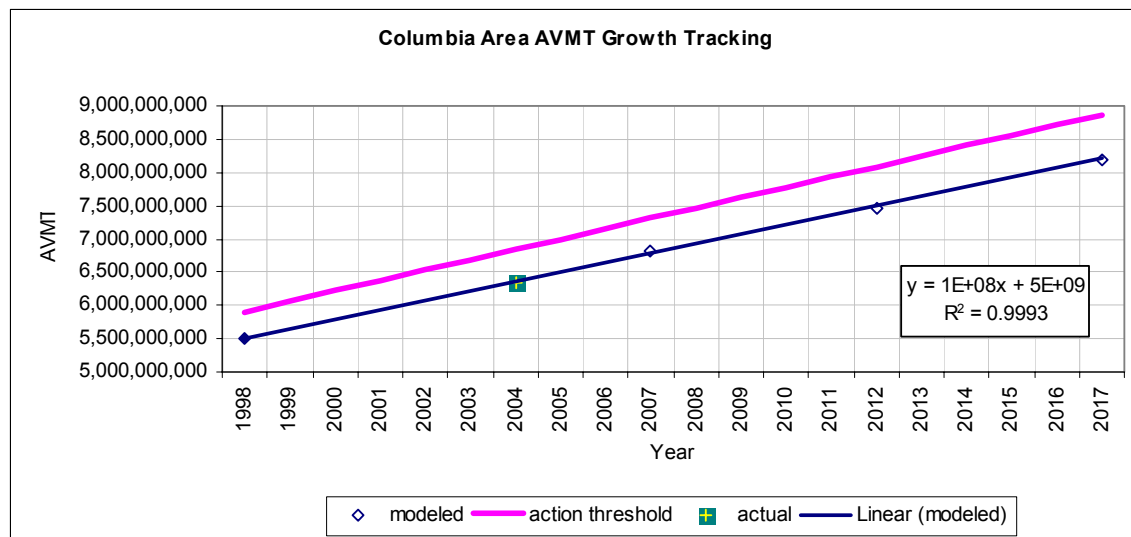
The most recent emissions inventory (2004) was compared to the emissions used in the ozone modeling analysis with a base year of 1998. In order to compare the annual emissions to the assumptions made in the model, a regression equation for each deferred area was developed in order to forecast the emissions for years not modeled. The modeled data, forecasted data, the 10 percent "action level" and actual emissions for 2004 were then plotted in order to determine whether the 2004 emissions were still comparable to the ozone modeling assumptions. For both deferred areas, the actual emissions were lower than the forecasted modeled data. The ozone modeling analysis could not be run on partial counties, so for the Columbia deferred area, the review of growth took the county-wide emissions into account. Therefore, the number for the Columbia deferred area represents a conservative estimate of the emissions.





A similar process was used to compare the most recent annual VMT (2004) with the projected VMT from the ozone modeling analysis. Because full -county VMT data was used for the ozone modeling analysis, it was necessary to use combined full county data from Richland and Lexington County to represent the Columbia nonattainment area. For both the Columbia and the Greenville-Spartanburg-Anderson deferred areas, the review revealed that the 2004 VMT was slightly below the modeled trend line and well below the action trigger.





Enclosure 4

December 2005 Progress Report Document Local EAC Activities for Participating Areas



Attachment 1

Appalachian Area

December 2005 EAC Progress Reports

December 2005

D H E C



A. Control Measure under Consideration	B. Summary Description of Measure	C. Program/Measure Status	D. Specific Implementation Date	E. VOC Reduction	F. NOx Reduction	G. Resources (FTE's, \$\$)	H. Additional Information
11 South Carolina State Measures							
Comments: Modeling for 2007, shows attainment without including measures beyond national and regional measures already finalized.. 2012 and 2017 also shows attainment.							
11 Appalachian, SC (Effective date of nonattainment designation deferred) - Anderson County							
Truck Stop Electrification Project	51 spaces outfitted with Idle Aire Technology	On-going.	February 2005	1,836 tons/year	36.21 tons/year	State Grant	CO reductions 15.3 tons/year December 2004 EAC SIP - Appendix 16 December 2004 Progress Report June 2005 Progress Report
School Bus Retrofit Project	Approximately 23 diesel buses will be retrofitted particulate filters during 2006. (additional reductions of PM are also expeted)	On-going.	2006	391 lbs/year	N/A	N/A	CO reductions 2,737 lbs/year December 2004 EAC SIP - Appendix 16
Gas Can Exchange Project	On September 10, 2005, Anderson County in conjunction with SC DHEC and several corporate sponsors such as Michelin, Wal-Mart and Sonic, held a gas can exchange for the residents of Anderson County. Anderson County intends to periodically hold these events throughout the county to promote the use of ventless gas cans.	83 gas cans that vents VOC into the atmosphere were traded in for ventless gas cans		355 lbs/year	N/A	N/A	
<p align="center">DECEMBER 2005 PROGRESS REPORT FOR ANDERSON COUNTY</p> <p align="center">Based on stakeholder consultation and taking into consideration resource and political constrains, the following control measures are under consideration pending modeling that demonstrates compliance in 2007 by SCDHEC. It is anticipated these measures under consideration will assist the County of Anderson, Greenville, Spartanburg, South Carolina, in achieving and/or maintaining the 8-hour ozone standard by 2007.</p>							
Air Quality Awareness and Improvement Policy	Memorandum sent to all County departments for the purpose of establishing certain principles that will guide the recurring activities of County government. Purpose of policy is to establish certain principles that will guide the recurring activities of Anderson County government. 1. Encourage employee car-pooling opportunities, when feasible, especially when travel in County vehicles is involved. 2. Purchase the lowest-emission vehicles practical to meet County needs. This may include the purchase of Tier II compliant vehicles, alternative fueled vehicles or hybrids. It is the goal of this county, that where practicable, to purchase hybrid or AFV's when conditions warrant and allow. 3. Ensure that all County vehicles and equipment are operating according to the manufacturer's specifications. 4. Restrict vehicle idling to no more than 5 minutes. Exceptions include emergency vehicles, traffic/weather conditions, and vehicles being repaired, maintained, or inspected. 5. Where feasible and practicable, restrict mowing and use of gas powered lawn equipment on County property on Ozone Action Days. 6. Restrict all County-sponsored outdoor burning on Ozone Action Days. 7. Practice energy conservation in all County facilities. The County will set a goal of reducing energy use by encouraging the w 8. Include environmental considerations in purchasing decisions for goods and services. An example of such would be to purch 9. Departments are encouraged to Refuel vehicles where possible at times of the day that will have the least impact on ozone le SEE Comment #6	On-going.	Effective immediately - October 12, 2004	N/A	N/A	N/A	The commitment to address these activities has been assured by the County Administrator by establishing the Air Quality Awareness and Improvement Policy for County Government. 1. See comment #6.
1. Support SCDHEC statewide efforts to reduce ozone levels.	Stakeholder group to support and participate in modeling efforts. Develop stakeholder group to participate in development of regulations (NOx - BACT (Best Available Control Technology Economically Achievable), restrict open burning).	December 2004 EAC SIP did include Appendix 16 - 1. SC61-62.2 "Prohibition of Open Burning" regulation with reductions for 2007 calendar year - reductions expected during the ozone season for residential construction waste 2. SC61-62.5, Std. 5.2 "Control of Oxides of Nitrogen) reduction amount for both existing and new sources combined across Anderson, Greenville, Spartanburg for 2007 calendar year June 24, 2004 - Participated in Upstate Air Quality Steering Committee meeting held at BMW. See Comment #4.	1. June 25, 2004 2. June 25, 2004	28.04 tons/season N/A	5.90 tons/season 234.1 tons/yr	N/A	See Comments #1, #2, #3, #6
2. Designate an Ozone Action Coordinator	Designate a staff person in each County who will be responsible for coordination of counties ozone programs	On-going.	March 2003	N/A	N/A	N/A	
3. Seek low sulfur fuels as early as possible	Continue to coordinate with representatives of colonial and Plantation pipelines, refiners, and State representatives to ensure that the upstate has the opportunity to receive low sulfur fuels at the earliest date as they can be provided.	On-going.	On-going.	N/A	N/A	N/A	
4. Design and implement congestion management and Intelligent Transportation System (ITS) measures.	Implement congestion management projects: intersection and signalization improvements to alleviate traffic congestion, therefore, reducing emissions from idling vehicles; Implement Intelligent Traffic Systems such as automated advisory/alert messages to drivers on interstate highways. For example: advise motorist about an accident ahead and the use of alternate routes to avoid congestion, which minimize emissions from idle vehicles. Encourage and support improved traffic operational planning, engineering and maintenance for existing and future transportation infrastructure.	County in the process of implementing congestion management plan on several major thoroughfares; cameras and variable message boards have ben installed on I-85 through Anderson, Greenville and Spartanburg Counties. Anderson County Council, at its December 6, 2005 meeting, passed a resolution creating a committee to investigate capital funding projects for roads and bridges; within that commission, they will also be looking at funding for projects to relieve congestion on county roads and the addition of bike lanes on county roads. Report will be completed by July 2006.	On-going.	N/A	N/A	N/A	

A. Control Measure under Consideration	B. Summary Description of Measure	C. Program/Measure Status	D. Specific Implementation Date	E. VOC Reduction	F. NOx Reduction	G. Resources (FTE's, \$\$)	H. Additional Information
5. Use of hybrid vehicles	Encourage people, public and private organizations to purchase hybrid vehicles as they replace vehicles/fleet Encourage that 10% of public agencies fleet have hybrid vehicles (use of hybrid vehicles does not require changes in infrastructure for dispensing fuel). Encourage public agencies to require purchasing hybrid electric vehicles (HEVs) through the State vehicle contract.	June 2005 Progress Report - countywide resolution to purchase cars alternatively fueled or hybrid vehicles.	On-going.	N/A	N/A	N/A	
6. Use higher efficiency engines for school buses	Require purchase of high efficiency engines for school buses as they are replaced. In South Carolina, the SC Department of Education is in charge of maintenance of school buses. DHEC is working with SC Department of Education to obtain grants from EPA. Promote an Adopt-A-School-Bus Program. Endorse a statewide recommendation for the State to take the lead	In 2006, approximately 47 diesel buses will be retrofitted with particulate filters, which will create additional PM reductions.	On-going.	N/A	N/A	N/A	Reductions accounted for under School Bus Retrofit Project
7.a. Develop incentive programs and opportunity for citizens to choose alternative transportation modes. Establish intermodal connections with an emphasis on mass transit	WALKING/BIKING Encourage local government to increase pedestrian/bicycle infrastructure spending (the Upstate spends 2 cents per person compared to SC spending 22 cents per person). Establish safer bike routes with better signs marking lanes and routes. Increase highway funding for bike paths, walking or mass transit including high-speed rail. Support the federal transportation enhancement program. Install bike racks on all transit vehicles to encourage intermodal transportation. New buses purchased through the state's bus purchase program will have bike racks. PARK and RIDE Establish mass transportation between a plant and a park-and-ride site. CARPOOLING Work with local government to offer incentives employees to car pool. MASS TRANSIT Offer a free trolley service running in a loop in downtown areas and nearby restaurants, especially during lunch hours; Research past feasibility studies on free downtown shuttles. Potential for sponsorship with local area restaurants and businesses for a lunch time shuttle could defer the operational costs of the endeavor. Support mass transit (transportation choices and alternatives): While the only local mass transit choice that is currently available is the transit bus, example of future options such as bus rapid transit, commuter passenger service offered by trains on existing rail systems, a diesel multiple unit or "light rail" should be supported.	On-going.	On-going.	N/A	N/A	N/A	
7.b. Offer free or reduced transportation cost on high ozone days.	MASS TRANSIT: Implement a coordinated high ozone day alert action plan to include public notification and free or reduced ozone fares from the transportation providers.	On-going.	On-going.	N/A	N/A	N/A	
7.c. Reduce vehicle miles traveled by developing efficient user-friendly transit systems.	Integrate transportation planning with land use planning so public transit can make a comprehensive contribution to economic development and mobility; Remove local barriers to densification in downtowns, infill areas, and transit stations and corridors.	On-going.	On-going.	N/A	N/A	N/A	
8. Review and update air emission inventory for the Upstate	Ensure all industrial sources still operating. Review industrial sources for plant closures. Identify major sources of NOx Map the locations of point sources (10% of point sources cannot be found). Map the specific locations and the area sources where coal is burned.	On-going.	On-going.	N/A	N/A	N/A	SCDHEC
9. Support SCDHEC in evaluating and seeking reductions from major sources based on modeling	Coordinate with Duke Power to determine what NOx reductions are planned for the Lee Steam Plant Coordinate with the Williams Company to determine what NOx reductions are planned for the TRANSCO Pipeline. Support NOx reduction strategies in the State Implementation Plan Develop an Early Reduction Program with incentives for industrial facility (Tier Two Type emissions NOx sources)	See info on Duke Power included in Appendix 16 of EAC SIP (link in Comment #6)	On-going.	N/A	40%	N/A	
10. Develop a program to offer to purchase or repair smoking vehicles (known as cash for clunkers).	Use funds generated from a license plate sales, registration fees, or license plate tax program to buy or repair high emitting vehicles from individuals. Purchase such vehicles from non-profit groups such as the Kidney Foundation, Goodwill, Salvation Army when they have been donated as charitable gifts. Consider accelerated vehicle retirement (scrappage) programs to encourage vehicle owners to voluntarily retire their vehicles sooner than they would have otherwise.	No action took place on this item in 2005.	On-going.	N/A	N/A	Use funds from license plate sales	
11. Ban open burning of on-site commercial clearing debris during ozone season (April - October)	Use SCDHEC model to determine the most effective method to ban open burning. Discuss modeling results with all local governments to consider adoption.	DHEC encourages Anderson, Greenville, and Spartanburg to actively notify all residents that the statewide ban is now in force and violations are punishable by law. See Comment #6.	On-going.	N/A	N/A	N/A	
12. Create incentives for the purchase of high efficiency and low emissions vehicles.	Offer tax credits for vehicles with high efficiency gas consumption or low emissions. Offer tax credits for low mileage vehicles instead of high mileage vehicles	December 2004 - developing draft bill to offer reduced tax incentives for those purchasing low emitting vehicles. See Comment #5.	On-going.	N/A	N/A	N/A	
****Develop air quality best management practices (BMPs)_ for construction sites	Develop a generic list of BMPs Develop management practices for construction debris. Develop management practices for emissions from construction vehicles. Develop management practices for traffic controls during construction.	A bill titled; An act concerning the promotion Of alternative use fuel, and hybrid propulsion System For transportation purposes was submitted to the SC House of representatives in January 2005. The bill is now in committee. In summary, the bill provides tax credit for vehicles using alternative fuel or hybrid propulsion vehicles. The credit is allowed against the tax imposed by for the purchase of vehicles licensed in South Carolina which use, or which are converted within 120 days of purchase to use, clean-burning fuel. Specifically the intent of the bill will apply for income tax years beginning on or after January 1, 2004, but prior to January 1, 2013. The tax credit will be allowed for the purchase of an alternative fuel or hybrid propulsion vehicle, and for a motor vehicle that is converted to use alternative fuel, for the replacement of the power source with a power source that uses alternative fuel	On-going.	N/A	N/A	N/Anot included in March 2004 submittal was included in December 2003....

A. Control Measure under Consideration	B. Summary Description of Measure	C. Program/Measure Status	D. Specific Implementation Date	E. VOC Reduction	F. NOx Reduction	G. Resources (FTE's, \$\$)	H. Additional Information
13. Use land-use and transportation planning to improve air quality	Include air quality measures as a part of the land-use and transportation planning process.	On-going.	On-going.	N/A	N/A	N/A	
14. Implement a program to encourage use of green power.	Capture emissions from landfills to produce green power, e.g., BMW is utilizing Palmetto Landfill emissions to produce energy for its plant. Implement a Purchase Green Power program when available. Green power is electricity generated by renewable resources like solar, wind, and even decomposing garbage in selected landfills. These resources are replenished naturally and minimize harm to the environment.	In 2005, Blue Ridge Electric Cooperative in Anderson County has begun offering the purchase of "Green Power" to its members. The Green Power is Generated by Santee Cooper, who is the source of power for all of the electric cooperatives in South Carolina. Santee Cooper will construct a Green Power station at the Anderson Regional Landfill that will enter commercial operation in 2006.	On-going.	N/A	N/A	N/A	Please go to http://www.santeecooper.com/greenpower/newsroom/newsletters/gpn_ews_fall2005.pdf for the Fall newsletter and http://www.santeecooper.com/greenpower/newsroom/letters.html for the "Green Power" newsletter.
15. Promote route efficiency for delivery vehicles, trash collection etc.	Encourage business to consolidate distribution and collection routes to improve efficiency and reduce emissions from their fleets. Maximize route efficiency for public services such as garbage collection, delivery vehicles, and other vehicle trips to reduce fuel usage.	No action took place on this item in 2005.	On-going.	N/A	N/A	N/A	
16. Establish a clean air partnership with business and industry.	Encourage and coordinate alternate work schedules such as staggered work hours for business, industry and local governments. Establish park and ride lots serving perimeter counties along major corridors. Make the public aware of the park-and-ride concept: media could assist in publicizing which programs are available. Encourage carpooling/vanpooling as an option where employees living in the same area agree to ride to work together rather than to drive their individual vehicle to work. Consider parking facility controls that can include employers offering a tax-free transit/vanpool benefits and which limit the amount of parking and encourage carpooling, mass transit, etc. Encourage telecommuting. Adopt a Bus Program. Develop funding to be used for matching grants fund for several EAP strategies. Develop a core competency and assisting the Upstate EAP group in writing grant proposal.	Michelin North America, on November 29, 2005 announced that their two Anderson County plants have qualified for membership in the National Environmental Performance Track program. They are among 350 facilities nationwide that have met the stringent requirements. Michelin is also investing \$80 million to expand and upgrade the two plants to reduce environmental impacts within Anderson County. Duke Power has agreed to reduce the idling time for their vehicles during ozone season. During ozone season, all vehicles will not idle for more than 30 seconds before the vehicle is shut down. With the 88 diesel trucks and 265 gasoline trucks in use in Anderson County, that equates to a reduction of 530 pounds VOC reduced and 765 pounds NOx reduced during ozone season.	On-going.	530 lbs/year	765 lbs/year	N/A	http://greenvilleonline.com/apps/pbcs.dll/article?AID=/20051129/BUSINESS/511290340
17. Establish an active public awareness campaign	Develop an editorial board to discuss air quality issues and development of a relationship with media. Use alert messages year round, not only during ozone season; Utilize public service announcement, newspapers, weather channels, and other media outlets to notify citizens of high ozone days; Utilize TV Channels to issue high ozone alerts using the crawl bar at bottom of TV screens. Encourage health organizations to sponsor ozone alerts in media. Enhance ozone awareness (Outreach-communication): assign a local agency to develop and implement a program to educate and motivate individuals to take actions to minimize ozone pollution. Includes a focused distribution of educational materials, dissemination of SCDHEC ground-level ozone forecast, increased media alerts to specific audiences, and includes action oriented components (i.e. ridesharing, telecommuting, etc.). Develop a campaign to encourage things such as refueling vehicles during evenings, not topping off tanks when refueling, using lawnmowers during evenings instead of during high ozone hours, using of electric lawn mowers. Develop a license plate program to generate revenue to implement the public awareness campaign. Develop awareness program on tax savings for purchasing high efficiency vehicles.	June 2004 Progress Report - Ozone-No-zone - local education program collaboration between Keep America Beautiful of Anderson County and Anderson County Environmental Services Division December 2004 Progress Report - sidewalk projects 4-U Transit system connecting Anderson, Pendleton, Clemson and Central; Anderson's Electric City Transit "FARE Free" program; light rail project; Tree legacy program, Tree I.D. program; Arbor Day plantings; City of Iva continual member of "Tree City USA" June 2005 Progress Report - Ozone Awareness Week; also in planning stage for gas can exchange event (September 10, 2005) December 2005 - As stated above, County held a gas can exchange program, taking in 83 old cans.	On-going.	N/A	N/A	N/A	
18. Promote research in energy efficiency at local universities, industries, energy companies, federal government, and other institutions that improve air quality.	Establish programs to research energy efficiencies at local universities, e.g., Institute for Energy Studies at Clemson University. Encourage business and industry to utilize the research from these programs to make the best decision concerning the purchase or upgrade of furnaces and boilers.	ALTERNATIVE FUELS: In 2005, Clemson University Chemical engineering professor Mark C. Thies received an \$856,000 award from the Department of Energy (DOE) to develop more efficient processes for the centralized production of hydrogen by splitting water. The award was one of only three made nationwide under DOE's Nuclear Hydrogen initiative. In addition to Thies, the project team includes fellow Clemson David Bruce, John O'Connell from the University of Virginia and Max Gorensek from Savannah River National Lab. The Clemson team will interact not only with U. S. engineers and scientists but also with those in France, Italy, and Japan, all of whom have teams working on related processes. Clemson University is developing the International Center for Automotive Research (Clemson-ICAR) in Greenville, SC. The ICAR project will be the premier automotive and motorsports research and educational center in SC. Research will emphasize development of innovative materials and processing technologies, which will enable the development of more efficient and environment friendly vehicles, as well as	On-going.	N/A	N/A	N/A	

A. Control Measure under Consideration	B. Summary Description of Measure	C. Program/Measure Status	D. Specific Implementation Date	E. VOC Reduction	F. NOx Reduction	G. Resources (FTE's, \$\$)	H. Additional Information
19. Use of alternate fuels.	Direct local Planning Commissions to identify areas where alternative fuels will be best suited. Encourage the use of alternate fuels; Assist with establishing alternative fuel infrastructure for private sector clean fuel fleets. Fuels other than gasoline and diesel that are used to power on-road vehicles. Examples of alternate fuels include bio-diesel, electricity, ethanol, hydrogen, liquefied petroleum gas, methanol, and natural gas. Encourage a clean-fuel fleet program for centrally fueled fleets of more than 10 vehicles. Anderson county owns 37 alternative fuel vehicles and purchased 1,520 gallons of biodiesel in 2004.	ALTERNATE FUELS: In 2005, Clemson University Professor James G. Goodwin, Jr., chair of the Clemson's chemical and biomolecular engineering department, received a DOE grant for energy research through DOE's State Technologies Advancement Collaborative. Goodwin's work focuses on the performance of iron-based bimetallic catalysts that are crucial to synthesis of clean fuels, additives and lubricants derived from coal and biomass gasification. Clemson will lead a partnership that includes Louisiana State University, the S.C. State Energy Office, the Louisiana State Energy Office, North Carolina's Research Triangle Institute, Rentech and Sud-Chemie Inc. This grant reflects \$875,499 in DOE-STAC funds and \$294,499 in cost sharing by the industrial and governmental participants. Anderson County is presently applying for a grant from the EPA to fund a E85 gasoline pump at a gas station within Anderson to promote alternative fuel usage within the county.	On-going.	N/A	N/A	N/A	
20. Evaluate the use of High Occupancy Vehicle (HOV) lanes using existing lanes.	Evaluate use of HOV on three (3) lane interstate highways; Show the advantages of designating HOVs; Pass laws establishing regulations on HOVs lanes such as the threshold in the number of passengers (perhaps two) in the vehicle using HOVs lanes and time of day for the lane to be designated as HOV (rush hour). Pass laws authorizing issuance of tickets for violations of HOVs lanes regulations, i.e., one-passenger vehicles using HOV lanes on designated hours.	Traffic engineers with SCDOT indicate that because traffic volumes on I-85 exceed 100,000 vehicles daily on the 3 lanes of the interstate it would be unwise to convert one of the three lanes to a HOV lane. The offsetting increase in congestion in the two remaining lanes would predictably increase Nox emissions by an amount exceeding the any reductions gained from traffic moving in the HOV lane. HOV lanes work best when they are paralleled by at least 4 or more free flow lanes. No further actions are planned.	completed	N/A	N/A	N/A	
21. Modify speed limits for optimum fuel efficiency.	Direct SCDHEC and SCDOT to take the lead role. Direct Planning Commissions to assist SCDHEC in modeling.	The ANATS MPO was designated as urban by the US Census following the 2000 census and as a result speed limits on the interstate highways in Anderson County has been established at 60 mph. No further action is planned.	completed	N/A	N/A	N/A	
22. Develop process for evaluating and minimizing impact of major projects such as shopping centers, schools, and subdivisions.	Study impact of post construction traffic flow. Study impact of construction activities.	On-going.	On-going.	N/A	N/A	N/A	
23. Community Schools to reduce vehicle miles traveled and encourage biking and walking for students and parents by encouraging smaller community-based schools that are integrated into neighborhoods	Eliminate minimum acreage requirements for school sites. Cap student populations per facilities. Require coordination among school boards and local governments to plan school sites and avoid conflicts with local planning goals. Favor restoration and construction of community-based small schools over new construction of remote mega schools.	On-going.	On-going.	N/A	N/A	N/A	
24. News release, PSA, and web page awareness tools	Comments #7 and 8	On-going.	On-going.	N/A	N/A	N/A	
Comments: 1. December 2004 - SC EAC SIP - activity not quantified for several reasons (first) in accordance with EAC Protocol, after all adopted Federal and State controls were accounted for in the modeling, it was determined that local controls were not necessary to demonstrate attainment of the 8-hour ozone standard. Measures were submitted by the local areas to show their continued support and commitment to the EAC process. (second) this activity is directionally sound and should provide air quality benefits and in some cases measurable results. The progress toward implementing this activity and the benefits derived will be documented as a part of the ongoing reporting requirements. 2. December 2003 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac.html - additional information provided by the county to include "findings", "advantages/disadvantages", "recommendations", "costs", etc.... 3. March 2004 - Local Early Action Plan - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0304.asp 4. June 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0604.asp 5. December 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_1204.asp 6. December 2004 - SC EAC SIP - Including Appendix 8 (Local Early Action Plans and the Air Quality Awareness and Improvement Policy) and Appendix 16 (County Level Emission Reductions and Descriptions for the Ozone EAC Areas) - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html 7. April 20, 2005 - Correspondence to Mr. Palmer including clarifying supplemental information to the EAC SIP submittal of December 2004. - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html 8. June 2005 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0605.asp							

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Appalachia, SC (Designated - Attainment)							
CHEROKEE COUNTY							
Based on stakeholder consultation and taking into consideration resource and political constraints, the following emission reduction strategies remain under consideration. The County will continue to evaluate the air quality within the county and may implement one or more of the following measures under consideration.							
Support SCHDEC statewide efforts to reduce ozone levels	Develop stakeholder group to support and participate in modeling efforts. Develop stakeholder group to participate in development of regulations	Ongoing	Ongoing	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Use of Alternative Fuels	Encourage use of alternative fuels, encourage a clean fuel fleet program for centrally fuel fleets of more than 10 vehicles	Ongoing	Ongoing	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Promote route efficiency for delivery vehicles, trash collection, etc.	Encourage business to consolidate distribution and collection routes to improve efficiency and reduce emissions from their fleets. - Maximize route efficiency for public services such as garbage collection, delivery vehicles, and other vehicle trips to reduce fuel usage	Ongoing	2004	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Establish an active public awareness campaign	Develop and editorial board to discuss air quality issues and development of a relationship with media, Use alert messages year round, not only during ozone season, utilize public service announcements, newspapers, weather channels, and other media outlets to notify citizens of high ozone days, utilize TV channels to issue high ozone alerts using the crawl bar at bottom of TV screens, Encourage health organizations to sponsor ozone alerts in media, enhance ozone awareness, develop a campaign to encourage things such as refueling vehicles during evening, not topping off tanks when refueling, using lawnmowers during evenings instead of during high ozone hours, using of electric lawn mowers., Develop a license plate program to generate revenue to implement the public awareness campaign, develop awareness program on tax savings for purchasing high efficiency vehicles.	19 July - Presentation by Diane Marlow, DHEC's Office of Solid Waste Reduction and Recycling, on Gardening and Recycling Organics Wisely (GROW). Nine (9) EAC Members attended. Mason Harris provided a display for members to take handouts on clean air and ozone hazards. Ms. Marlow presented EAC members GROW Handbooks as guidance on reducing our vehicle trips to the county landfill with yard waste. Future field trips were discussed: USC's West Quad Living Learning Center; Hanson Brick Co.; Timken Plant. 20 Sep - The EAC toured the Timken Bearing Plant in Gaffney, SC. David Brewster, tour leader, showed equipment used to filter the heat-treating furnaces' exhaust before releasing them into the atmosphere. 17 Oct - Cherokee County Council invited the EAC to attend this evening's meeting to accept a recognition plaque for the EAC's work toward ozone awareness in Cherokee County this year.	2004	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Comments: 1. December 2004 - SC EAC SIP - activity not quantified for several reasons (first) in accordance with EAC Protocol, after all adopted Federal and State controls were accounted for in the modeling, it was determined that local controls were not necessary to demonstrate attainment of the 8-hour ozone standard. Measures were submitted by the local areas to show their continued support and commitment to the EAC process. (second) this activity is directionally sound and should provide air quality benefits and in some cases measurable results. The progress toward implementing this activity and the benefits derived will be documented as a part of the ongoing reporting requirements. 2. December 2003 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac.html - additional information provided by the county to include "findings", "advantages/disadvantages", "recommendations", "costs", etc.... 3. March 2004 - Local Early Action Plan - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0304.asp 4. June 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0604.asp 5. December 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_1204.asp 6. December 2004 - SC EAC SIP - Including Appendix 8 (Local Early Action Plans and the Air Quality Awareness and Improvement Policy) and Appendix 16 (County Level Emission Reductions and Descriptions for the Ozone EAC Areas) - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html 7. April 20, 2005 - Correspondence to Mr. Palmer including clarifying supplemental information to the EAC SIP submittal of December 2004. - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html 8. June 2005 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0605.asp							

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11 South Carolina State Measures							
Comments: Modeling for 2007, shows attainment without including measures beyond national and regional measures already finalized.. 2012 and 2017 also shows attainment. <i>Our continuing EAC programs are also related to maintenance.</i>							
11 Appalachian, SC (Effective date of nonattainment designation deferred) - Greenville County							
Gas Can Exchange Event	June 28, 2003; 115 cans exchanged	115 old gas cans exchanged for new environmentally safe cans.	June 28, 2003	711 lbs/year	N/A	Resources were obtained from several local vendors	See Comment #6
School Bus Retrofit Project	Approximately 47 diesel buses will be retrofitted particulate filters during 2006. (additional reductions of PM are also expected)		2006	799 lbs/year	N/A	N/A	CO reductions 5,593 lbs/year December 2004 EAC SIP - Appendix 16
<div><div>GREENVILLE COUNTY, SC DECEMBER 2005 EAC PROGRESS REPORT (December 13, 2005 changes shown in red)</div><div>Based on stakeholder consultation and taking into consideration resource and political constraints, the following control measures are under consideration pending modeling that demonstrates compliance in 2007 by SCDHEC. It is anticipated these measures under consideration will assist the County of Anderson, Greenville, Spartanburg, South Carolina, in achieving and/or maintaining the 8-hour ozone standard by 2007.</div></div>							
Air Quality Awareness and Improvement Policy	<p>Memorandum sent to all County departments for the purpose of establishing certain principles that will guide the recurring activities of County government.</p> <p>Purpose of policy is to establish certain principles that will guide the recurring activities of Anderson County government. Memorandum sent to all County employees for the purpose of establishing certain principles that will guide the recurring activities of County government in the following areas:</p> <ol style="list-style-type: none">1. Ensure that all county employees are notified of upcoming alerts for Ozone Action Days during ozone season (April – October) of each year.2. Ensure that County residents are aware of the new State's restrictions on outdoor burning, especially during ozone season.3. Greenville County will explore and adopt, when feasible DHEC's Take a Break from the Exhaust Program or a program with a similar purpose, and Flex-scheduling and car-pooling opportunities.4. Ensure that all County vehicles and equipment are operating according to the manufacturer's specifications.5. Ensure preventative maintenance schedules are timely performed. Vehicles and equipment, which operate in construction are6. Avoid long idling. The worst mileage a vehicle can get is zero (0) miles per gallon, which occurs when the engine idles. Unned7. Continue considering purchasing low-emission vehicles to meet County needs according to the vehicle replacement plan. Thi8. Fill fuel tanks in the morning, or when the temperature is coolest. Unleaded gasoline is densest when cold. Do not overfill tank9. Clean out the trunk or storage area. Every 200 lbs. Of unnecessary weight reduce one mile of fuel efficiency.10. Operate vehicles with the speed limit and eliminate hasty starts. Driving too fast wastes gas. Traveling at 65 mph uses 15%11. Develop efficient routing plans. Utilize routes with minimal traffic lights, when possible. This decreases engine idling at stop12. Encourage carpooling when appropriate. Utilize fuel-efficient vehicles or motor pool vehicles when traveling out of town to r13. Greenville County has been improving landscaping at all County facilities with the goals of improving the environment by mir14. Greenville County is committed to energy conservation programs and practices, which will result in less energy consumption15. Greenville County partnered with the SC Energy Department in 2003 with the goal of reducing energy consumption at Count16. The following measures will continue to be implemented and reminders will be sent to all County employees and tenants: <ul style="list-style-type: none">· Turn OFF all office lights when leaving every day,· Electric space heaters are not allowed in County facilities (exceptions are made only for medical reasons with a written statem· Ensure that electric equipments such as lamps, coffee pots, monitors, printers, copy machines, etc. are turned OFF when leavi· To further increase energy conservation, the County will encourage, when practical, to make environmental considerations in p <p>See Comment #6.</p>	<p>· <i>Greenville County is preparing a grant application due to USEPA Region 4 on December 23, 2005, in advance of the 2006 Ozone Season. The County is planning on conducting an extensive public awareness campaign should the grant application be approved. Items would include: radio and TV advertisements, informational wheels, brochures, involvement in community activities, and plans to enable the Greenville Transit Authority to provide free transit services during high ozone alert days.</i></p>	Effective immediately - October 12, 2004	directionally sound	directionally sound	N/A	The commitment to address these activities has been assured by the County Administrator by establishing the Air Quality Awareness and Improvement Policy for County Government. 1. See comment No. 6.
1. Support SCDHEC statewide efforts to reduce ozone levels.	<p>Stakeholder group to support and participate in modeling efforts.</p> <p>Develop stakeholder group to participate in development of regulations (NOx - BACT (Best Available Control Technology Economically Achievable), restrict open burning).</p> <p>· Members of the Upstate Air Quality Staff Advisory Committee participated WITH dhec in the development of new regulations aimed at reducing NOx emissions. As a result, new regulations requiring Nox- BACT (Best Available Control Technology Economically Achievable) were adopted in mid 2004.</p>	<p>December 2004 EAC SIP did include Appendix 16 -</p> <ol style="list-style-type: none">1. SC61-62.2 "Prohibition of Open Burning" regulation with reductions for 2007 calendar year - reductions expected during the ozone season for residential construction waste2. SC61-62.5, Std. 5.2 "Control ofOxides of Nitrogen) reduction amount for both existing and new sources combined across Anderson, Greenville, Spartanburg for 2007 calendar year3. June 24, 2004 - Participated in Upstate Air Quality Steering Committee meeting held at BMW. See Comment #4.4. November 2004 - Greenville County submitted letter supporting SIP. See Comment #5.5. Greenville County implemented the following measures during 2004 and 2005: purchased alternate fuel vehicles (Greenville purchased 19 such vehicles since November 2004); published and distributed brochures about improving air quality ; sent out notices on high ozone days and developed audio commercials for local radio stations to broadcast during ozone awareness week and ozone season; broadcasted radio announcements and information through the County's Cable TV channel, i	<p>1. June 25, 2004</p> <p>2. June 25, 2004</p>	<p>65.23 tons/season</p> <p>N/A</p>	<p>13.73 tons/season</p> <p>234.1 tons/yr</p>	<p>N/A</p> <p>N/A</p>	<p>Upstate Air Quality Staff Advisory committee will be developing a business partnership plan to involve local industries in announcing ozone alerts, participating in ride share programs and adopting the same or similar list of initiatives that Greenville County adopted from the SELC.</p> <p>See Comments #1, #2, #3, #5, #6, #8</p>
2. Designate an Ozone Action Coordinator	Designate a staff person in each County who will be responsible for coordination of counties ozone programs	County has 2 Ozone Coordinators.	March 2003	N/A	N/A	N/A	See Comment #5

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3. Seek low sulfur fuels as early as possible	Continue to coordinate with representatives of Colonial and Plantation pipelines, refiners, and State representatives to ensure that the upstate has the opportunity to receive low sulfur fuels at the earliest date as they can be provided.	Committee continues to coordinate with representatives of Colonial and Plantation pipelines, refiners. During 2005, Colonial Pipeline conducted studies that indicates that S.C., as well as others along the Colonial Pipeline are receiving sulfur levels that should help many of the non-attainment areas. Specifically: M and V are the grades used in South Carolina. The sulfur content averages shown below are by batch not volumetric weighted values. • M Grades: Average 139 High 330 • V Grades: Average 74 High 300.	on-going	directionally sound	directionally sound	N/A	See Comment #5
4. Design and implement congestion management and Intelligent Transportation System (ITS) measures.	Implement congestion management projects: intersection and signalization improvements to alleviate traffic congestion, therefore, reducing emissions from idling vehicles; Implement Intelligent Traffic Systems such as automated advisory/alert messages to drivers on interstate highways. For example: advise motorist about an accident ahead and the use of alternate routes to avoid congestion, which minimize emissions from idle vehicles. Encourage and support improved traffic operational planning, engineering and maintenance for existing and future transportation infrastructure.	Greenville County completed implementing the congestion management plan on several major thoroughfares; cameras and variable message boards have been installed on I-85 through Anderson, Greenville and Spartanburg Counties. In December 2005, the Greenville County Planning Commission retained the services of a transportation consultant to update the Long Range Transportation plan including an updated congestion management plan and a bicycle and pedestrian plan. The current long range transportation plan may be found at www.greenvilleplanning.com	on-going	directionally sound	directionally sound	N/A	
5. Use of hybrid vehicles	Encourage people, public and private organizations to purchase hybrid vehicles as they replace vehicles/fleet Encourage that 10% of public agencies fleet have hybrid vehicles (use of hybrid vehicles does not require changes in infrastructure for dispensing fuel). Encourage public agencies to require purchasing hybrid electric vehicles (HEVs) through the State vehicle contract.	The Greenville County Administrator issued principles to guide County operations to improve air quality which include considering purchasing low-emission vehicles.	on-going	directionally sound	directionally sound	N/A	See Comment #5
6. Use higher efficiency engines for school buses	Require purchase of high efficiency engines for school buses as they are replaced. In South Carolina, the SC Department of Education is in charge of maintenance of school buses. DHEC is working with SC Department of Education to obtain grants from EPA. Promote an Adopt-A-School-Bus Program. Endorse a statewide recommendation for the State to take the lead	Approximately 47 diesel buses will be retrofitted with particulate filters during 2006. (additional reductions of PM are also expected) The South Carolina Department of Education purchased 73 used school buses from a Kentucky school district that is replacing them with new vehicles. In addition to these 73 used buses, the Education Department purchased 61 new buses that should be on the road in late 2005.	on-going	N/A	N/A	N/A	Reductions accounted for under School Bus Retrofit Project
7.a. Develop incentive programs and opportunity for citizens to choose alternative transportation modes. Establish intermodal connections with an emphasis on mass transit	WALKING/BIKING Encourage local government to increase pedestrian/bicycle infrastructure spending (the Upstate spends 2 cents per person compared to SC spending 22 cents per person). Establish safer bike routes with better signs marking lanes and routes. Increase highway funding for bike paths, walking or mass transit including high-speed rail. Support the federal transportation enhancement program. Install bike racks on all transit vehicles to encourage intermodal transportation. New buses purchased through the state's bus purchase program will have bike racks. PARK and RIDE Establish mass transportation between a plant and a park-and-ride site. CARPOOLING Work with local government to offer incentives employees to car pool. MASS TRANSIT Offer a free trolley service running in a loop in downtown areas and nearby restaurants, especially during lunch hours; Research past feasibility studies on free downtown shuttles. Potential for sponsorship with local area restaurants and businesses for a lunch time shuttle could defer the operational costs of the endeavor. Support mass transit (transportation choices and alternatives): While the only local mass transit choice that is currently available	1. December 2004 Park and Ride: Staffs of Greenville County Planning Commission, Greenville Transit Authority and Greater Greenville Chamber of Commerce have begun joining effort to develop a feasibility study for Park-n-Ride program and/or Ride Share program for Greenville County. Information will be shared with Anderson and Spartanburg counties. 2. June 2005 - County contract with consultant to prepare a Transit Development Plan for the most rapidly growing portion of Greenville County, to include a Park and Ride and Rideshare Feasibility study. The transit development plan may be viewed at www.greenvilleplanning.com See Comment #8. In November 2005, the transportation consultant completed the transit study for Mauldin and Simpsonville and recommended several alternatives for providing transit services to this portion of Greenville County. Currently the cities of Mauldin and Simpsonville are considering the recommendations included in the transit study.	on-going	directionally sound	directionally sound	N/A	See Comment #5
7.b. Offer free or reduced transportation cost on high ozone days.	MASS TRANSIT: Implement a coordinated high ozone day alert action plan to include public notification and free or reduced ozone fares from the transportation providers.	Greenville County is working on a grant application due to USEPA Region 4 on December 23, 2005, in preparation for the 2006 Ozone Season. The County is planning on including a request for funds to enable the Greenville Transit Authority to provide free transit services during high ozone alert days.	on-going	directionally sound	directionally sound	N/A	

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7.c. Reduce vehicle miles traveled by developing efficient user-friendly transit systems.	Integrate transportation planning with land use planning so public transit can make a comprehensive contribution to economic development and mobility; Remove local barriers to densification in downtowns, infill areas, and transit stations and corridors.	1. December 2004 - Greenville County Planning Commission completed update to county Zoning Ordinance - adopted November 30, 2004. New provisions will eliminate minimum lot size requirements, encourage cluster developments, grant density bonuses for developments with access to public transportation, allow some commercial developments to include housing within the development. This shift in the land use plan should reduce vehicle miles traveled and encourage use of transit services. Copy of the updated County Zoning Ordinance may be viewed at www.greenvilleplanning.com . See Comment #5. 2. June 2005 - county council passed ordinances updating Zoning Ordinance and Land Development Regulations; changes focus on adding flexibilities to encourage cluster developments, neo-traditional development and mixed-use developments. See Comment #8 Planning Commission on behalf of the City of Mauldin and The City of Simpsonville has retained Day Wilburn Associates to prepare a Transit Development Plan for the Mauldin-Simpsonville Urbanized Area. See update on strategy	on-going	directionally sound	directionally sound	N/A	Comments #7
8. Review and update air emission inventory for the Upstate	Ensure all industrial sources still operating. Review industrial sources for plant closures. Identify major sources of NOx Map the locations of point sources (10% of point sources cannot be found). Map the specific locations and the area sources where coal is burned.	This was completed and forwarded to SCDHEC on a previous updated progress report. The information allowed DHEC to having more accurate emissions inventory.	on-going	directionally sound	directionally sound	N/A	SCDHEC
9. Support SCDHEC in evaluating and seeking reductions from major sources based on modeling	Coordinate with Duke Power to determine what NOx reductions are planned for the Lee Steam Plan Coordinate with the Williams Company to determine what NOx reductions are planned for the TRANSCO Pipeline. Support NOx reduction strategies in the State Implementation Plan Develop an Early Reduction Program with incentives for industrial facility (Tier Two Type emissions NOx sources)	See info on Duke Power included in Appendix 16 of EAC SIP (link in Comment #6). - The Williams Company received DHEC permits to replace outdated "uncontrolled" compressors on the pipeline located in Duncan. Replacement of the compressors began in late 2004 and continue until late 2005. This will result in a significant Nox reduction for the Upstate.	on-going	N/A	40%	N/A	
10. Develop a program to offer to purchase or repair smoking vehicles (known as cash for clunkers).	Use funds generated from a license plate sales, registration fees, or license plate tax program to buy or repair high emitting vehicles from individuals. Purchase such vehicles from non-profit groups such as the Kidney Foundation, Goodwill, Salvation Army when they have been donated as charitable gifts. Consider accelerated vehicle retirement (scrappage) programs to encourage vehicle owners to voluntarily retire their vehicles sooner than they would have otherwise.	1. December 2004. No local action has taken place on this strategy. See Comment #5. No action taken in 2005.	on-going	directionally sound	directionally sound	Use funds from license plate sales	
11. Ban open burning of on-site commercial clearing debris during ozone season (April - October)	Use SCDHEC model to detrmine the most effective method to ban open burning. Discuss modeling results with all local governments to consider adoption.	DHEC adopted regulations in mid 2004 restricting open burning. See Comment #6. DHEC encourages Anderson, Greenville, and Spartanburg to actively notify all residents that the statewide ban is now in force and violations are punishable by law. At the November 2005 Air Quality Steering Committee meeting, the Committee directed staff to coordinate with local governments to enforce DHEC's burning ban year-round. Greenville County has notified all fire departments, all municipal and county codes departments, the Greenville Home Builders Association and others about the ban at the monthly subdivision review team meetings. The County is running a public service announcement in the County's Cable TV channel permanently.	on-going	directionally sound	directionally sound	N/A	See Comment #6
12. Create incentives for the purchase of high efficiency and low emissions vehicles.	Offer tax credits for vehicles with high efficiency gas consumption or low emissions. Offer tax credits for low mileage vehicles instead of high mileage vehicles	December 2004 - developing draft bill to offer reduced tax incentives for those purchasing low emitting vehicles.	on-going	directionally sound	directionally sound	N/A	See Comment #5

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****Develop air quality best management practices (BMPs)_ for construction sites	Develop a generic list of BMPs Develop management practices for construction debris. Develop management practices for emissions from construction vehicles. Develop management practices for traffic controls during construction.	A bill titled: An act concerning the promotion of alternative use fuel, and hybrid propulsion system for transportation purposes was submitted to the SC House of Representatives in January 2005. The bill is now in committee. In summary, the bill provides tax credit for vehicles using alternative fuel or hybrid propulsion vehicles. The credit is allowed against the tax imposed by for the purchase of vehicles licensed in South Carolina which use, or which are converted within 120 days of purchase to use, clean-burning fuel. Specifically the intent of the bill will apply for income tax years beginning on or after January 1, 2004, but prior to January 1, 2013. The tax credit will be allowed for the purchase of an alternative fuel or hybrid propulsion vehicle, and for a motor vehicle that is converted to use alternative fuel, for the replacement of the power source with a power source that uses alternative fuel	on-going	directionally sound	directionally sound	N/A	See Comment #2
13. Use land-use and transportation planning to improve air quality	Include air quality measures as a part of the land-use and transportation planning process.	1. June 2005 - County Council passed ordinances updating Zoning Ordinance and Land Development Regulations; changes focus on adding flexibilities to encourage cluster developments, neo-traditional development and mixed-use developments. A copy of this ordinance may be viewed at www.greenvilleplanning.com .	on-going	directionally sound	directionally sound	N/A	See Comment #8
14. Implement a program to encourage use of green power.	Capture emissions from landfills to produce green power, e.g., BMW is utilizing Palmetto Landfill emissions to produce energy for its plant. Implement a Purchase Green Power program when available. Green power is electricity generated by renewable resources like solar, wind, and even decomposing garbage in selected landfills. These resources are replenished naturally and minimize harm to the environment.	1. December 2004. No local action has taken place on this strategy. See Comment #5. Currently, green power options are limited to the north-western portion of Greenville County served by Blue Ridge Electric Cooperative. Indications are that additional opportunities may be available in 2006.	on-going	directionally sound	directionally sound	N/A	
15. Promote route efficiency for delivery vehicles, trash collection etc.	Encourage business to consolidate distribution and collection routes to improve efficiency and reduce emissions from their fleets. Maximize route efficiency for public services such as garbage collection, delivery vehicles, and other vehicle trips to reduce fuel usage.	1. December 2004. No local action has taken place on this strategy. No action taken.	on-going	directionally sound	directionally sound	N/A	See Comment #5
16. Establish a clean air partnership with business and industry.	Encourage and coordinate alternate work schedules such as staggered work hours for business, industry and local governments. Establish park and ride lots serving perimeter counties along major corridors. Make the public aware of the park-and-ride concept: media could assist in publicizing which programs are available. Encourage carpooling/vanpooling as an option where employees living in the same area agree to ride to work together rather than to drive their individualvehicle to work. Consider parking facility controls that can include employers offering a tax-free transit/vanpool benefits and which limit the amount of parking and encourage carpooling, mass transit, etc. Encourage telecommuting. Adopt a Bus Program. Develop funding to be used for matching grants fund for several EAP strategies. Develop a core competency and assisting the Upstate EAP group in writing grant proposal.	1. June 2004 - Staffs of Greenville County Planning Commission, Greenville Transit Authority and Greater Greenville Chamber of Commerce have begun joining effort to develop a feasibility study for Park-n-Ride program and/or Ride-Share program for Greenville County. Information will be shared with Anderson and Spartanburg counties. 2. No local action has taken place on this strategy. See Comment #5. In the November 2005, the Air Quality Steering Committee directed staff to begin addressing this strategy before the 2006 ozone season.	on-going	directionally sound	directionally sound	N/A	See Comment #4

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17. Establish an active public awareness campaign.	<p>Develop an editorial board to discuss air quality issues and develop a relationship with media.</p> <p>Use alert messages year round, not only during ozone season; Utilize public service announcement, newspapers, weather channels, and other media outlets to notify citizens of high ozone days;</p> <p>Utilize TV Channels to issue high ozone alerts using the crawl bar at bottom of TV screens.</p> <p>Encourage health organizations to sponsor ozone alerts in media.</p> <p>Enhance ozone awareness (Outreach-communication): assign a local agency to develop and implement a program to educate and motivate individuals to take actions to minimize ozone pollution. Includes a focused distribution of educational materials, dissemination of SCDHEC ground-level ozone forecast, increased media alerts to specific audiences, and includes action oriented components (i.e. ridesharing, telecommuting, etc.).</p> <p>Develop a campaign to encourage things such as refueling vehicles during evenings, not topping off tanks when refueling, using lawnmowers during evenings instead of during high ozone hours, using of electric lawn mowers.</p> <p>Develop a license plate program to generate revenue to implement the public awareness campaign.</p> <p>Develop awareness program on tax savings for purchasing high efficiency vehicles.</p>	<p>1. June 2004 Progress Report - Complete list of strategies for public review and comments were made available through the Greenville County Library system and the Greenville County Planning Commission from March 29, 2004 to May 31, 2004. Responses positive, but limited - less than 25 people called or sent letters.</p> <p>2. December 2004 - DHEC Ozone forecast updated daily on county cable TV Channel; TV Weather channel announces Ozone Forecasts; county posted DHEC's link on County's website - front page; alerts for 2005 will resume; reviewing and considering materials to be used during 2005 public awareness campaign; Develop editorial board to discuss air quality issues and development of a relationship with media; encourage health organizations to sponsor ozone alerts in media; enhance ozone awareness; develop campaign to encourage things such as refueling vehicles during evenings, not topping off tanks, using lawnmowers during evenings, using electric lawn mowers; develop license plate program to generate revenue to implement public awareness campaign; develop a</p>	on-going	directionally sound	directionally sound	N/A	See Comment #4
18. Promote research in energy efficiency at local universities, industries, energy companies, federal government, and other institutions that improve air quality.	<p>Establish programs to research energy efficiencies at local universities, e.g., Institute for Energy Studies at Clemson University.</p> <p>Encourage business and industry to utilize the research from these programs to make the best decision concerning the purchase or upgrade of furnaces and boilers.</p>	<p>1. December 2004. No local action has taken place on this strategy. ALTERNATIVE FUELS: In 2005, Clemson University Chemical engineering professor Mark C. Thies received an \$856,000 award from the Department of Energy (DOE) to develop more efficient processes for the centralized production of hydrogen by splitting water. The award was one of only three made nationwide under DOE's Nuclear Hydrogen initiative. In addition to Thies, the project team includes fellow Clemson David Bruce, John O'Connell from the University of Virginia and Max Gorenshek from Savannah River National Lab. The Clemson team will interact not only with U. S. engineers and scientists but also with those in France, Italy, and Japan, all of whom have teams working on related processes. Clemson University is developing the International Center for Automotive Research (Clemson-ICAR) in Greenville, SC. The ICAR project will be the premier automotive and motorsports research and educational center in SC. Research will emphasize development of innovative materials and processing technologies, which will enable the development of r</p>	on-going	directionally sound	directionally sound	N/A	See Comment #5
19. Use of alternate fuels.	<p>Direct local Planning Commissions to identify areas where alternative fuels will be best suited.</p> <p>Encourage the use of alternate fuels;</p> <p>Assist with establishing alternative fuel infrastructure for private sector clean fuel fleets. Fuels other than gasoline and diesel that are used to power on-road vehicles. Examples of alternate fuels include bio-diesel, electricity, ethanol, hydrogen, liquefied petroleum gas, methanol, and natural gas.</p> <p>Encourage a clean-fuel fleet program for centrally fueled fleets of more than 10 vehicles.</p>	<p>1. December 2004. No local action has taken place on this strategy.</p> <p>2. June 2005 - local company began selling E-85 at 2 stations located along Interstate 85; sub-committee of Upstate Air Quality Staff Advisory Committee developed wording for bill concerning the promotion of alternative use fuel. The Upstate has moved forward with the distribution of E85 fuel. By the end of 2005, there will be at least 12 additional distribution stations. ALTERNATE FUELS: In 2005, Clemson University Professor James G. Goodwin, Jr., chair of the Clemson's chemical and biomolecular engineering department, received a DOE grant for energy research through DOE's State Technologies Advancement Collaborative. Goodwin's work focuses on the performance of iron-based bimetallic catalysts that are crucial to synthesis of clean fuels, additives and lubricants derived from coal and biomass gasification. Clemson will lead a partnership that includes Louisiana State University, the S.C. State Energy Office, the Louisiana State Energy Office, North Carolina's Research Triangle Institute, Rentech and S</p>	on-going	directionally sound	directionally sound	N/A	See Comment #5 See Comment #8

A. Control Measure under Consideration	B. Summary Description of Measure	C. Program/Measure Status	D. Specific Implementation Date	E. VOC Reduction	F. NOx Reduction	G. Resources (FTE's, \$\$)	H. Additional Information
20. Evaluate the use of High Occupancy Vehicle (HOV) lanes using existing lanes.	Evaluate use of HOV on three (3) lane interstate highways; Show the advantages of designating HOVs; Pass laws establishing regulations on HOVs lanes such as the threshold in the number of passengers (perhaps two) in the vehicle using HOVs lanes and time of day for the lane to be designated as HOV (fush hour). Pass laws authorizing issuance of tickets for violations of HOVs lanes regulations, i.e., one-passenger vehicles using HOV lanes on designated hours.	1. December 2004. No local action has taken place on this strategy. See Comment #5. Traffic engineers with SCDOT indicate that because traffic volumes on I-85 exceed 100,000 vehicles daily on the 3 lanes of the interstate it would be unwise to convert one of the three lanes to a HOV lane. The offsetting increase in congestion in the two remaining lanes would predictably increase Nox emissions by an amount exceeding the any reductions gained from traffic moving in the HOV lane. HOV lanes work best when they are paralleled by at least 4 or more free flow lanes. No further actions are planned.	completed	directionally sound	directionally sound	N/A	
21. Modify speed limits for optimum fuel efficiency.	Direct SCDHEC and SCDOT to take the lead role. Direct Planning Commissions to assist SCDHEC in modeling.	The GPATS MPO was designated as urban by the US Census following the 2000 census and as a result speed limits on the interstate highways in Greenville and Pickens Counties (GPATS MPO BOUNDARY)has been established at 60 mph. No further actions are planned.	completed	directionally sound	directionally sound	N/A	
22. Develop process for evaluating and minimizing impact of major projects such as shopping centers, schools, and subdivisions.	Study impact of post construction traffic flow. Study impact of construction activities.	1. December 2004. No local action has taken place on this strategy. No action taken in 2005.	on-going	directionally sound	directionally sound	N/A	See Comment #5
23. Community Schools to reduce vehicle miles traveled and encourage biking and walking for students and parents by encouraging smaller community-based schools that are integrated into neighborhoods	Eliminate minimum acreage requirements for school sites. Cap student populations per facilities. Require coordination among school boards and local governments to plan school sites and avoid conflicts with local planning goals. Favor restoration and construction of community-based small schools over new consturction of remote mega schools.	1. December 2004. No local action has taken place on this strategy.	on-going	directionally sound	directionally sound	N/A	See Comment #5
<p>Comments:</p> <p>1. December 2004 - SC EAC SIP - activity not quantified for several reasons (first) in accordance with EAC Protocol, after all adopted Federal and State controls were accounted for in the modeling, it was determined that local controls were not necessary to demonstrate attainment of the 8-hour ozone standard. Measures were submitted by the local areas to show their continued support and commitment to the EAC process. (second) this activity is directionally sound and should provide air quality benefits and in some cases measurable results. The progress toward implementing this activity and the benefits derived will be documentd as a part of the ongoing reporting requirements.</p> <p>2. December 2003 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac.html - additional information provided by the county to include "findings", "advantages/disadvantages", "recommendations", "costs", etc....</p> <p>3. March 2004 - Local Early Action Plan - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0304.asp</p> <p>4. June 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0604.asp</p> <p>5. December 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_1204.asp</p> <p>6. December 2004 - SC EAC SIP - Including Appendix 8 (Local Early Action Plans and the Air Quality Awareness and Improvement Policy) and Appendix 16 (County Level Emission Reductions and Descriptions for the Ozone EAC Areas)- See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>7. April 20, 2005 - Correspondence to Mr. Palmer including clarifying supplemental information to the EAC SIP submittal of December 2004. - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>8. June 2005 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0605.asp</p>							

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Appalachia, SC (Designated - Attainment)							
OCONEE COUNTY							
Based on stakeholder consultation and taking into consideration resource and political constraints, the following emission reduction strategies remain under consideration. The County will continue to evaluate the air quality within the county and may implement one or more of the following measures under consideration.							
Appointment of Ozone Action Coordinator	Designation of county staff person to coordinate education efforts and dissemination of zone related information	On-going	Jun-03	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Ozone Reduction Meetings	Coordination of meetings with municipalities, stakeholder groups, the public, and other entities	On-going	Fall 2003 (on-going effort)	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Lower Emissions in County Fleet	County will utilize Capital Improvement Plan to initiate annual review of vehicle and equipment fleet, upgrading and replacing older and less fuel efficient as budget allows; replacing improperly operating catalytic converters.	On-going	2004	n/a directionally sound	n/a directionally sound	n/a	
Energy-Efficient Buildings	County will utilize Capital Improvement Plan to initiate annual review of needed upgrades to county-owned buildings, performing construction and maintenance to achieve highest level of energy-efficiency practical	Ongoing	2004	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Support of Traffic Division	County shall support efforts by County Sheriff to emphasize speed and traffic control (this may or may not include expansion of Traffic Control Division of Sheriff's Department)	Ongoing	2004	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Greenspace Requirements	County will amend Land Development and Subdivision Chapter of the Unified Performance Standards Ordinance to mandate minimum greenspace areas in all residential and commercial subdivisions subject to the requirements	Proposed by Planning Commission; under consideration by County Council	2005/2006	n/a directionally sound	n/a directionally sound	n/a	
Comprehensive Plan	County will amend appropriate elements of the Comprehensive Plan to insure consideration of emission reduction in future planning efforts	Completed	2004	n/a directionally sound	n/a directionally sound	n/a	
Inter-Governmental Cooperation	County will encourage and assist municipalities in partnership efforts to reduce emissions	Ongoing	2004	n/a directionally sound	n/a directionally sound	n/a	
ADDITIONAL MEASURE: 4-Day Work Week	County has adopted Monday-Thursday workweek for most offices located in the Walhalla, SC Administrative Complex on a 6-month trial basis. The schedule may become permanent if energy savings are sufficient.	Ongoing	2005	n/a directionally sound	n/a directionally sound	n/a	
Comments: 1. December 2004 - SC EAC SIP - activity not quantified for several reasons (first) in accordance with EAC Protocol, after all adopted Federal and State controls were accounted for in the modeling, it was determined that local controls were not necessary to demonstrate attainment of the 8-hour ozone standard. Measures were submitted by the local areas to show their continued support and commitment to the EAC process. (second) this activity is directionally sound and should provide air quality benefits and in some cases measurable results. The progress toward implementing this activity and the benefits derived will be documented as a part of the ongoing reporting requirements. 2. December 2003 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac.html - additional information provided by the county to include "findings", "advantages/disadvantages", "recommendations", "costs", etc.... 3. March 2004 - Local Early Action Plan - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0304.asp 4. June 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0604.asp 5. December 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_1204.asp 6. December 2004 - SC EAC SIP - Including Appendix 8 (Local Early Action Plans and the Air Quality Awareness and Improvement Policy) and Appendix 16 (County Level Emission Reductions and Descriptions for the Ozone EAC Areas) - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html 7. April 20, 2005 - Correspondence to Mr. Palmer including clarifying supplemental information to the EAC SIP submittal of December 2004. - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html 8. June 2005 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0605.asp							

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Appalachia, SC (Designated - Attainment)							
<p align="center">PICKENS COUNTY</p> <p align="center">Based on stakeholder consultation and taking into consideration resource and political constraints, the following emission reduction strategies remain under consideration. The County will continue to evaluate the air quality within the county and may implement one or more of the following measures under consideration.</p>							
Ozone Public Relations Program	Production of education materials, media alerts, and cooperation with industry/private sector to promote ozone objectives.	program temporarily ceased when air program not funded	July, 2003	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Ozone Advisory Committee	Develop Local EAP	completed	March, 2003	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Participate in Voluntary Heavy-Diesel Retrofit Program	-Select a cleaner fuel by April 2004—Low-sulfur diesel or bio-diesel. -- Evaluate the cost-effectiveness of diesel particulate filters (catalyst coated vss. Low-sulfur catalytic filter vss. fuel-borne catalyst filter). -- Evaluate efficiency of County's emissions control program, and budget, if necessary, to maintain existing and future equipment. -- Prioritize vehicles for retrofitting -- Develop specifications for the purchase of heavy equipment that will assure low emitting diesel engines in future purchases. -- Develop bid specifications that give preference to bidders who utilize low-emission equipment. -- Share this program with other fleet owners in the County (including local school bus maintenance). -- Determine if Pickens County could be eligible for federal funds to retrofit equipment. -- Seek to develop a sponsorship program with private sector to retrofit bus emission systems	no action - air program not funded	Apr-04	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Catalytic Converter Replacement in Light Duty Vehicles	-Evaluate existing maintenance procedure for the County fleet and modify maintenance procedures to assure vehicles are properly assessed for emissions at a frequency to assure minimal emissions. -- Inspect vehicle fleet and replace as needed. -- Develop a public education program to encourage private fleet owners and individual car owners on how to properly maintain catalytic converters and emission systems.	opt to retire older vehicles		n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Implement a program to capture methane from landfills.	Methane gas emissions from Easley Landfill will be flared.	completed	Apr-04	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Park and Ride Program	County may wish to develop a park and ride on "empty" sites at the Hwy 123 Industrial Part that may eventually provide parking for prospective industry.	no action - air program not funded	Apr-04	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Contract Specifications	Standard language in service contracts that emphasize/require environmentally friendly equipment and methods to complete contractual task.	no action - air program not funded	July, 2003	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Carpooling Programs for Students	Improve ridership of students delivered to schools by private automobiles.	no action - air program not funded	Aug-04	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Implement a No-Idling Policy for County Fleet Vehicles	County Administration will develop a policy to prohibit idling of vehicles	completed	Apr-04	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Re-evaluate the property tax rules for 1) low-mileage, older vehicles, 2) high efficiency gas consumption vehicles, or 3) ultra-low emissions vehicles	Consideration for fuel economy is not currently considered with the automobile property tax.	no action - program not funded	Jan-05	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Provide incentives that increase ridership on the Clemson Area Transit System.	Evaluate the fees during peak ozone season	no action - program not funded	Apr-04	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
<p>Comments:</p> <p>1. December 2004 - SC EAC SIP - activity not quantified for several reasons (first) in accordance with EAC Protocol, after all adopted Federal and State controls were accounted for in the modeling, it was determined that local controls were not necessary to demonstrate attainment of the 8-hour ozone standard. Measures were submitted by the local areas to show their continued support and commitment to the EAC process. (second) this activity is directionally sound and should provide air quality benefits and in some cases measurable results. The progress toward implementing this activity and the benefits derived will be documented as a part of the ongoing reporting requirements.</p> <p>2. December 2003 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac.html - additional information provided by the county to include "findings", "advantages/disadvantages", "recommendations", "costs", etc....</p> <p>3. March 2004 - Local Early Action Plan - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0304.asp</p> <p>4. June 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0604.asp</p> <p>5. December 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_1204.asp</p> <p>6. December 2004 - SC EAC SIP - Including Appendix 8 (Local Early Action Plans and the Air Quality Awareness and Improvement Policy) and Appendix 16 (County Level Emission Reductions and Descriptions for the Ozone EAC Areas) - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>7. April 20, 2005 - Correspondence to Mr. Palmer including clarifying supplemental information to the EAC SIP submittal of December 2004. - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>8. June 2005 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0605.asp</p>							

A. Control Measure under Consideration	B. Summary Description of Measure	C. Program/Measure Status	D. Specific Implementation Date	E. VOC Reduction	F. NOx Reduction	G. Resources (FTE's, \$\$)	H. Additional Information
11 South Carolina State Measures							
Comments: Modeling for 2007, shows attainment without including measures beyond national and regional measures already finalized.. 2012 and 2017 also shows attainment. Our continuing EAC programs are also related to maintenance.							
11 Appalachian, SC (Effective date of nonattainment designation deferred) Spartanburg County							
School Bus Retrofit Project	Approximately 20 diesel buses will be retrofitted particulate filters during 2006. (additional reductions of PM are also expeted)		2006	340 lbs/year	N/A	N/A	CO reductions 2,380 lbs/year December 2004 EAC SIP - Appendix 16
<p align="center">SPARTANBURG COUNTY, SC DECEMBER 2005 EAC PROGRESS REPORT</p> <p align="center">Based on stakeholder consultation and taking into consideration resource and political constraints, the following control measures are under consideration pending modeling that demonstrates compliance in 2007 by SCDHEC. It is anticipated these measures under consideration will assist the County of Anderson, Greenville, Spartanburg, South Carolina, in achieving and/or maintaining the 8-hour ozone standard by 2007.</p>							
Air Quality Awareness and Improvement Policy	Memorandum sent to all County department head as well as elected and appointed officials for the purpose of establishing certain principles that will guide the recurring activities of County government. Effective immediately: 1. Encourage that all county employees are notified of upcoming Ozone Action Days. 2. Encourage car-pooling opportunities. 3. Ensure that all County vehicles and equipment are operating according to the manufacturer's specifications. 4. Restrict vehicle idling to no more than 5 minutes. Exceptions include emergency vehicles, traffic/weather conditions, and vehicles being repaired, maintained, or inspected. 5. Restrict mowing and use of gas powered lawn equipment on County property on Ozone Action Days. 6. Restrict all outdoor burning on Ozone Action Days. 7. Energy energy conservation in all County facilities. 8. Include environmental considerations in purchasing decisions for goods and services. An example of such would be to purchase Energy Star equipment. SEE Comment #6	on-going	Effective immediately - October 6, 2004	directionally sound	directionally sound	N/A	The commitment to address these activities has been assured by the County Administrator by establishing the Air Quality Awareness and Improvement Policy for County Government. 1. See comment....
1. Support SCDHEC statewide efforts to reduce ozone levels.	Stakeholder group to support and participate in modeling efforts. Develop stakeholder group to participate in development of regulations (NOx - BACT (Best Available Control Technology Economically Achievable), restrict open burning). Members of the Upstate Air Quality Staff Advisory Committee participated WITH dhec in the development of new regulations aimed at reducing NOx emissions. As a result, new regulations requiring Nox- BACT (Best Available Control Technology Economically Achievable) were adopted in mid 2004.	December 2004 EAC SIP did include Appendix 16 - 1. SC61-62.2 "Prohibition of Open Burning" regulation with reductions for 2007 calendar year - reductions expected during the ozone season for residential construction waste 2. SC61-62.5, Std. 5.2 "Control of Oxides of Nitrogen" reduction amount for both existing and new sources combined across Anderson, Greenville, Spartanburg for 2007 calendar year 3. June 24, 2004 - Participated in Upstate Air Quality Steering Committee meeting held at BMW. See Comment #4. 4. November 2004 - Greenville County submitted letter supporting SIP. See Comment #5. 5. Greenville County implemented the following measures during 2004 and 2005: purchased alternate fuel vehicles (Greenville purchased 19 such vehicles since November 2004); published and distributed brochures about improving air quality ; sent out notices on high ozone days and developed audio commercials for local radio stations to broadcast during ozone awareness week and ozone season; broadcasted radio announcements and information through the County's Cable TV channel, i	1. June 25, 2004 2. June 25, 2004	43.01 tons/season N/A	9.06 tons/season 234.1 tons/yr		Upstate Air Quality Staff Advisory committee will be developing a business partnership plan to involve local industries in announcing ozone alerts, participating in ride share programs and adopting the same or similar list of initiatives that Greenville County adopted from the SELC.
2. Designate an Ozone Action Coordinator	Designate a staff person in each County who will be responsible for coordination of counties ozone programs	County has an Ozone Coordinator.	March 2003	N/A	N/A	N/A	See Comment #5
3. Seek low sulfur fuels as early as possible	Continue to coordinate with representatives of colonial and Plantation pipelines, refiners, and State representatives to ensure that the upstate has the opportunity to receive low sulfur fuels at the earliest date as they can be provided.	Committee continues to coordinate with representatives of Colonial and Plantation pipelines, refiners. See Comment #5. During 2005, Colonial Pipeline conducted studies that indicates that S.C., as well as others along the Colonial Pipeline are receiving sulfur levels that should help many of the non-attainment areas. Specifically: M and V are the grades used in South Carolina. The sulfur content averages shown below are by batch not volumetric weighted values. • M Grades: Average 139 High 330 • V Grades: Average 74 High 300.	on-going	directionally sound	directionally sound	N/A	

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4. Design and implement congestion management and Intelligent Transportation System (ITS) measures.	Implement congestion management projects: intersection and signalization improvements to alleviate traffic congestion, therefore, reducing emissions from idling vehicles; Implement Intelligent Traffic Systems such as automated advisory/alert messages to drivers on interstate highways. For example: advise motorist about an accident ahead and the use of alternate routes to avoid congestion, which minimize emissions from idle vehicles. Encourage and support improved traffic operational planning, engineering and maintenance for existing and future transportation infrastructure.	The Spartanburg Area Transportation Study (SPATS) MPO continues to program funds for congestion management plan on several major thoroughfares; cameras and variable message boards have been installed on I-85 through Anderson, Greenville and Spartanburg Counties. Current SPATS projects designed to manage congestion without adding lanes to a thoroughfare include: Spartanburg City Traffic Signalization, SC 9 Signal Coordination, and intersection improvements along Old Furnace Rd. In addition, through its Enhancement Program, SPATS continues to fund pedestrian and bicycle education efforts, and specific projects on the ground. The Long Range Transportation plan, currently being revised, will include an updated congestion management plan and a bicycle and pedestrian plan.	on-going	directionally sound	directionally sound	N/A	Information about SPATS programs are available at www.spartanburgcounty.org
5. Use of hybrid vehicles	Encourage people, public and private organizations to purchase hybrid vehicles as they replace vehicles/fleet Encourage that 10% of public agencies fleet have hybrid vehicles (use of hybrid vehicles does not require changes in infrastructure for dispensing fuel). Encourage public agencies to require purchasing hybrid electric vehicles (HEVs) through the State vehicle contract.	Spartanburg County will investigate possibilities regarding purchasing hybrid vehicles for its fleet. Budget difficulties, however, continue to make this element a challenge.	on-going	directionally sound	directionally sound	N/A	
6. Use higher efficiency engines for school buses	Require purchase of high efficiency engines for school buses as they are replaced. In South Carolina, the SC Department of Education is in charge of maintenance of school buses. DHEC is working with SC Department of Education to obtain grants from EPA. Promote an Adopt-A-School-Bus Program. Endorse a statewide recommendation for the State to take the lead	Approximately 20 diesel buses will be retrofitted with particulate filters during 2006. (additional reductions of PM are also expected) The South Carolina Department of Education purchased 73 used school buses from a Kentucky school district that is replacing them with new vehicles. In addition to these 73 used buses, the Education Department purchased 61 new buses that should be on the road in late 2005.	on-going	directionally sound	directionally sound	N/A	Reductinos accounted for under School Bus Retrofit Project
7.a. Develop incentive programs and opportunity for citizens to choose alternative transportation modes. Establish intermodal connections with an emphasis on mass transit	WALKING/BIKING Biking and pedestrian pathways are being added to all new SPATS widening projects. SC 295 Phase 2 will include an offset shared use path along most of the length of the road improvement. In addition, the upcoming widening of SC 9 will include both bike and pedestrian facilities, where appropriate.	1. The SPATS (Spartanburg Area Transportation Study) Metropolitan Planning Organization (MPO) is one of thirteen areas across the nation selected by the National Center for Bicycling and Walking (NCBW) for the 2004-2005 "Walkable Community Workshops" program. This shared-cost workshop project, pledging staff and financial resources in exchange for technical assistance and training from NCBW, featured workshops in eight different areas* of the SPATS MPO during the week of May 23-27, 2005. Workshops were held in the city of Spartanburg, Boiling Springs, Pacolet, Duncan, Cowpens, Chesnee, and on the Spartanburg eastside. Approximately 170 people participated. SPATS staff continues to be active in ongoing educational efforts aimed at encouraging alternate modes of travel.	on-going	directionally sound	directionally sound	N/A	Information about SPATS programs are available at www.spartanburgcounty.org
7.b. Offer free or reduced transportation cost on high ozone days.	MASS TRANSIT: Staff will work with SPARTA to discuss implementing a program to offer free or reduced fares on ozone action days.	on-going	on-going	directionally sound	directionally sound	N/A	
7.c. Reduce vehicle miles traveled by developing efficient user-friendly transit systems.	Integrate transportation planning with land use planning so public transit can make a comprehensive contribution to economic development and mobility; Remove local barriers to densification in downtowns, infill areas, and transit stations and corridors.	1. SPATS staff continues to assist SPARTA with maps and associated information. In addition, as SPARTA has lost over \$300,000 in operating expenses that it formerly acquired from Duke Power, staff is seeking ways to bridge the funding shortfall.	on-going	directionally sound	directionally sound	N/A	Comments #7
8. Review and update air emission inventory for the Upstate	Ensure all industrial sources still operating. Review industrial sources for plant closures. Identify major sources of NOx Map the locations of point sources (10% of point sources cannot be found). Map the specific locations and the area sources where coal is burned.	This was completed and forwarded to SCDHEC on a previous updated progress report. The information allowed DHEC to having more accurate emissions inventory.	on-going	directionally sound	directionally sound	N/A	SCDHEC
9. Support SCDHEC in evaluating and seeking reductions from major sources based on modeling	Coordinate with Duke Power to determine what NOx reductions are planned for the Lee Steam Plan Coordinate with the Williams Company to determine what NOx reductions are planned for the TRANSCO Pipeline. Support NOx reduction strategies in the State Implementation Plan Develop an Early Reduction Program with incentives for industrial facility (Tier Two Type emissions NOx sources)	See info on Duke Power included in Appendix 16 of EAC SIP (link in Comment #6). The Williams Company received DHEC permits to replace outdated "uncontrolled" compressors on the pipeline located in Duncan. Replacement of the compressors began in late 2004 and continue until late 2005. This will result in a significant Nox reduction for the Upstate.	on-going	N/A	40%	N/A	
10. Develop a program to offer to purchase or repair smoking vehicles (known as cash for clunkers).	Use funds generated from a license plate sales, registration fees, or license plate tax program to buy or repair high emitting vehicles from individuals. Purchase such vehicles from non-profit groups such as the Kidney Foundation, Goodwill, Salvation Army when they have been donated as charitable gifts. Consider accelerated vehicle retirement (scrappage) programs to encourage vehicle owners to voluntarily retire their vehicles sooner than they would have otherwise.	1. December 2004. No local action has taken place on this strategy. See Comment #5. No action taken in 2005.	on-going	directionally sound	directionally sound	Use funds from license plate sales	

A. Control Measure under Consideration	B. Summary Description of Measure	C. Program/Measure Status	D. Specific Implementation Date	E. VOC Reduction	F. NOx Reduction	G. Resources (FTE's, \$\$)	H. Additional Information
11. Ban open burning of on-site commercial clearing debris during ozone season (April - October)	Use SCDHEC model to determine the most effective method to ban open burning. Discuss modeling results with all local governments to consider adoption.	DHEC adopted regulations in mid 2004 restricting open burning. See Comment #6. DHEC encourages Anderson, Greenville, and Spartanburg to actively notify all residents that the statewide ban is now in force and violations are punishable by law. At the November 2005 Air Quality Steering Committee meeting, the Committee directed staff to coordinate with local governments to enforce DHEC's burning ban year-round. Staff will schedule meetings with Administration and pertinent departments to discuss this measure, and how Spartanburg County and help to implement it.	on-going	directionally sound	directionally sound	N/A	See Comment #6
12. Create incentives for the purchase of high efficiency and low emissions vehicles.	Offer tax credits for vehicles with high efficiency gas consumption or low emissions. Offer tax credits for low mileage vehicles instead of high mileage vehicles	December 2004 - developing draft bill to offer reduced tax incentives for those purchasing low emitting vehicles.	on-going	directionally sound	directionally sound	N/A	See Comment #5
13. Use land-use and transportation planning to improve air quality	Include air quality measures as a part of the land-use and transportation planning process.	1. Staff will discuss with Administration whether ordinances conducive to cluster developments, neo-traditional development and mixed-use developments can be offered within our Unified Land Management Ordinance.	on-going	directionally sound	directionally sound	N/A	
****Develop air quality best management practices (BMPs)_ for construction sites	Develop a generic list of BMPs Develop management practices for construction debris. Develop management practices for emissions from construction vehicles. Develop management practices for traffic controls during construction.	A bill titled; An act concerning the promotion Of alternative use fuel, and hybrid propulsion System For transportation purposes was submitted to the SC House of representatives in January 2005. The bill is now in committee. In summary, the bill provides tax credit for vehicles using alternative fuel or hybrid propulsion vehicles. The credit is allowed against the tax imposed by for the purchase of vehicles licensed in South Carolina which use, or which are converted within 120 days of purchase to use, clean-burning fuel. Specifically the intent of the bill will apply for income tax years beginning on or after January 1, 2004, but prior to January 1, 2013. The tax credit will be allowed for the purchase of an alternative fuel or hybrid propulsion vehicle, and for a motor vehicle that is converted to use alternative fuel, for the replacement of the power source with a power source that uses alternative fuel	on-going	directionally sound	directionally sound	N/A	See Comment #2
14. Implement a program to encourage use of green power.	Capture emissions from landfills to produce green power, e.g., BMW is utilizing Palmetto Landfill emissions to produce energy for its plant. Implement a Purchase Green Power program when available. Green power is electricity generated by renewable resources like solar, wind, and even decomposing garbage in selected landfills. These resources are replenished naturally and minimize harm to the environment.	BMW, located in Spartanburg County, is using Spartanburg County's Palmetto Landfill's emissions to produce energy for its plant. A Green Power station will be constructed at the Anderson Regional Landfill in 2006. Santee Cooper, through Blue Ridge Electric Cooperative, recently began offering the purchase of Green Power to Anderson, Greenville, Oconee, Pickens and Spartanburg County residents. Residential customers who increased their purchase of Green Power by 2 blocks were offered a free energy analysis between October 1 and December 31, 2005.	on-going	directionally sound	directionally sound	N/A	
15. Promote route efficiency for delivery vehicles, trash collection etc.	Encourage business to consolidate distribution and collection routes to improve efficiency and reduce emissions from their fleets. Maximize route efficiency for public services such as garbage collection, delivery vehicles, and other vehicle trips to reduce fuel usage.	1. December 2004. No local action has taken place on this strategy. No action taken.	on-going	directionally sound	directionally sound	N/A	See Comment #5
16. Establish a clean air partnership with business and industry.	Encourage and coordinate alternate work schedules such as staggered work hours for business, industry and local governments. Establish park and ride lots serving perimeter counties along major corridors. Make the public aware of the park-and-ride concept: media could assist in publicizing which programs are available. Encourage carpooling/vanpooling as an option where employees living in the same area agree to ride to work together rather than to drive their individual vehicle to work. Consider parking facility controls that can include employers offering a tax-free transit/vanpool benefits and which limit the amount of parking and encourage carpooling, mass transit, etc. Encourage telecommuting. Adopt a Bus Program. Develop funding to be used for matching grants fund for several EAP strategies. Develop a core competency and assisting the Upstate EAP group in writing grant proposal.	1 In the November 2005, the Air Quality Steering Committee directed staff to begin addressing this strategy before the 2006 ozone season.	on-going	directionally sound	directionally sound	N/A	

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17. Establish an active public awareness campaign.	Develop an editorial board to discuss air quality issues and a development of a relationship with media. Use alert messages year round, not only during ozone season; Utilize public service announcement, newspapers, weather channels, and other media outlets to notify citizens of high ozone days; Utilize TV Channels to issue high ozone alerts using the crawl bar at bottom of TV screens. Encourage health organizations to sponsor ozone alerts in media. Enhance ozone awareness (Outreach-communication): assign a local agency to develop and implement a program to educate and motivate individuals to take actions to minimize ozone pollution. Includes a focused distribution of educational materials, dissemination of SCDHEC ground-level ozone forecast, increased media alerts to specific audiences, and includes action oriented components (i.e. ridesharing, telecommuting, etc.). Develop a campaign to encourage things such as refueling vehicles during evenings, not topping off tanks when refueling, using lawnmowers during evenings instead of during high ozone hours, using of electric lawn mowers. Develop a license plate program to generate revenue to implement the public awareness campaign. Develop awareness program on tax savings for purchasing high efficiency vehicles.	1. Spartanburg County staff will utilize SCDHEC materials in advancing ozone awareness, and will consider more active strategies including county website information and variable message signs along the interstate highways.	on-going	directionally sound	directionally sound	N/A	
18. Promote research in energy efficiency at local universities, industries, energy companies, federal government, and other institutions that improve air quality.	Establish programs to research energy efficiencies at local universities, e.g., Institute for Energy Studies at Clemson University. Encourage business and industry to utilize the research from these programs to make the best decision concerning the purchase or upgrade of furnaces and boilers.	1. December 2004. No local action has taken place on this strategy. See Comment #8. ALTERNATIVE FUELS: In 2005, Clemson University Chemical engineering professor Mark C. Thies received an \$856,000 award from the Department of Energy (DOE) to develop more efficient processes for the centralized production of hydrogen by splitting water. The award was one of only three made nationwide under DOE's Nuclear Hydrogen initiative. In addition to Thies, the project team includes fellow Clemson David Bruce, John O'Connell from the University of Virginia and Max Gorenshek from Savannah River National Lab. The Clemson team will interact not only with U. S. engineers and scientists but also with those in France, Italy, and Japan, all of whom have teams working on related processes. Clemson University is developing the International Center for Automotive Research (Clemson-ICAR) in Greenville, SC. The ICAR project will be the premier automotive and motorsports research and educational center in SC. Research will emphasize development of innovative materials and processing technologies, which will en	on-going	directionally sound	directionally sound	N/A	
19. Use of alternate fuels.	Direct local Planning Commissions to identify areas where alternative fuels will be best suited. Encourage the use of alternate fuels; Assist with establishing alternative fuel infrastructure for private sector clean fuel fleets. Fuels other than gasoline and diesel that are used to power on-road vehicles. Examples of alternate fuels include bio-diesel, electricity, ethanol, hydrogen, liquefied petroleum gas, methanol, and natural gas. Encourage a clean-fuel fleet program for centrally fueled fleets of more than 10 vehicles.	1. December 2004. No local action has taken place on this strategy. See Comment #8. 2. June 2005 - local company began selling E-85 at 2 stations located along Interstate 85, sub-committee of Upstate Air Quality Staff Advisory Committee developed wording for bill concerning the promotion of alternative use fuel. See Comment #8. The Upstate has moved forward with the distribution of E85 fuel. By the end of 2005, there will be at least 12 additional distribution stations. ALTERNATE FUELS: In 2005, Clemson University Professor James G. Goodwin, Jr., chair of the Clemson's chemical and biomolecular engineering department, received a DOE grant for energy research through DOE's State Technologies Advancement Collaborative. Goodwin's work focuses on the performance of iron-based bimetallic catalysts that are crucial to synthesis of clean fuels, additives and lubricants derived from coal and biomass gasification. Clemson will lead a partnership that includes Louisiana State University, the S.C. State Energy Office, the Louisiana State Energy Office, North Carolina's Research Triangle In	on-going	directionally sound	directionally sound	N/A	

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20. Evaluate the use of High Occupancy Vehicle (HOV) lanes using existing lanes.	Evaluate use of HOV on three (3) lane interstate highways; Show the advantages of designating HOVs; Pass laws establishing regulations on HOVs lanes such as the threshold in the number of passengers (perhaps two) in the vehicle using HOVs lanes and time of day for the lane to be designated as HOV (rush hour). Pass laws authorizing issuance of tickets for violations of HOVs lanes regulations, i.e., one-passenger vehicles using HOV lanes on designated hours.	1. December 2004. No local action has taken place on this strategy. See Comment #5. - Traffic engineers with SCDOT indicate that because traffic volumes on I-85 exceed 100,000 vehicles daily on the 3 lanes of the interstate it would be unwise to convert one of the three lanes to a HOV lane. The offsetting increase in congestion in the two remaining lanes would predictably increase Nox emissions by an amount exceeding the any reductions gained from traffic moving in the HOV lane. HOV lanes work best when they are paralleled by at least 4 or more free flow lanes. No further actions are planned.	completed	directionally sound	directionally sound	N/A	No further action planned
21. Modify speed limits for optimum fuel efficiency.	Direct SCDHEC and SCDOT to take the lead role. Direct Planning Commissions to assist SCDHEC in modeling.	The SPATS MPO was designated as urban by the US Census following the 2000 census and as a result speed limits on the interstate highways in Spartanburg County have been established at 60 mph.	completed	N/A	N/A	N/A	No further action planned
22. Develop process for evaluating and minimizing impact of major projects such as shopping centers, schools, and subdivisions.	Study impact of post construction traffic flow. Study impact of construction activities.	1. December 2004. No local action has taken place on this strategy. No action taken in 2005.	on-going	N/A	N/A	N/A	See Comment #5
23. Community Schools to reduce vehicle miles traveled and encourage biking and walking for students and parents by encouraging smaller community-based schools that are integrated into neighborhoods	Eliminate minimum acreage requirements for school sites. Cap student populations per facilities. Require coordination among school boards and local governments to plan school sites and avoid conflicts with local planning goals. Favor restoration and construction of community-based small schools over new construction of remote mega schools.	1. December 2004. No local action has taken place on this strategy.	on-going	N/A	N/A	N/A	See Comment #5
Comments: 1. December 2004 - SC EAC SIP - activity not quantified for several reasons (first) in accordance with EAC Protocol, after all adopted Federal and State controls were accounted for in the modeling, it was determined that local controls were not necessary to demonstrate attainment of the 8-hour ozone standard. Measures were submitted by the local areas to show their continued support and commitment to the EAC process. (second) this activity is directionally sound and should provide air quality benefits and in some cases measurable results. The progress toward implementing this activity and the benefits derived will be documented as a part of the ongoing reporting requirements. 2. December 2003 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac.html - additional information provided by the county to include "findings", "advantages/disadvantages", "recommendations", "costs", etc.... 3. March 2004 - Local Early Action Plan - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0304.asp 4. June 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0604.asp 5. December 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_1204.asp 6. December 2004 - SC EAC SIP - Including Appendix 8 (Local Early Action Plans and the Air Quality Awareness and Improvement Policy) and Appendix 16 (County Level Emission Reductions and Descriptions for the Ozone EAC Areas)- See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html 7. April 20, 2005 - Correspondence to Mr. Palmer including clarifying supplemental information to the EAC SIP submittal of December 2004. - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html 8. June 2005 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0605.asp							

Attachment 2

Catawba Area

December 2005 EAC Progress Reports

December 2005



A. Control Measure under Consideration	B. Summary Description of Measure	C. Program/Measure Status	D. Specific Implementation Date	E. VOC Reduction	F. NOx Reduction	G. Resources (FTE's, \$\$)	H. Additional Information
Catawba, SC (Designated - Attainment)							
<p style="text-align: center;">CHESTER COUNTY</p> <p>Based on stakeholder consultation and taking into consideration resource and political constraints, the following emission reduction strategies remain under consideration. The County will continue to evaluate the air quality within the county and may implement one or more of the following measures under consideration.</p>							
Establish Community Stakeholder Group	CAIR (Chester Air) group to be established which will allow citizens, local business, and local industry to collaborate in efforts to clean and protect the air. The group will focus on the prevention of ground level ozone formation.	On-going	Nov-03	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Establish outreach website	CAIR will establish a web site to provide information about how to join the clean air group, and information on a few things citizens can do to help prevent ground-level ozone.	On-going	Nov-03	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Eat- Lunch- In Area	The County will improve a pic-nic area to encourage county employees to Eat-Lunch-In	On-going	May-05	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Consumer Ozone Reduction Strategies	Develop detailed consumer/citizen actions that will promote the reduction of emissions in Chester County.	On-going	Oct-04	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Take A Break From The Exhaust	Chester County government will encourage the TABFTE program to encourage its employees to carpool, walk to work, and eat-lunch-in during ozone season	On-going	May-05	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Reduce Electricity Use	The Chester County Government will sponsor a program to encourage its employees to reduce their electricity use.	On-going	Aug-03	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Revised Purchasing Policy	The Chester County Government will update its purchasing policy to encourage buying in bulk, buying recycled and recyclable products, and buying energy efficient products including fleet vehicles.	On-going	May-04	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Ozone Forecast	The ozone forecast during ozone season will be announced over the local radio station along with a tip of the day to reduce the ozone forming pollution.	On-going	Apr-04	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Nature Based Tourism	The County will encourage a nature based tourism approach to encourage the preservation green spaces.	On-going	May-04	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Ozone Awareness Booth	The County sponsored an Ozone Awareness Booth in cooperation with SC DHEC at the hilltop festival. Information, two environmentally friendly gas cans, pencils, coloring books, t-shirts, and flowering plants were distributed in return for citizen membership	On-going	October 18 th 2003	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Clean Air Resolution	Chester County resolved to be in partnership with SEQL (Sustainable Environments for the Quality of Life) by signing a Clean Air Resolution	On-going	Oct-03	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Energy Audit	Determined areas of waste in terms of energy use	On-going	Aug-03	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Tree Planting	Chester County will plant an additional 500 hardwood trees on county land to help secure air quality	On-going	May-05	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Tree Saving	Chester County will make an effort to save trees in the county by providing more protection for all trees that could be 100 years old or older.	On-going	May-05	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Pilot Transportation Program	Chester Park School will conduct a pilot transportation program and the school district will seek to implement such a program throughout all of its schools encouraging more fuel efficient means of travel (carpooling, biking/walking, and bus riding)	On-going	May-04	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Revise Purchasing Policy	Prioritize Buying in Bulk and Buying Products with Less Packaging	On-going	May-05	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Reduce Waste and Energy Use	Seek to incorporate using re-usable cafeteria dining materials where possible in schools that now use paper, plastic, or Styrofoam products.	On-going	May-05	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
<p>Comments:</p> <p>1. December 2004 - SC EAC SIP - activity not quantified for several reasons (first) in accordance with EAC Protocol, after all adopted Federal and State controls were accounted for in the modeling, it was determined that local controls were not necessary to demonstrate attainment of the 8-hour ozone standard. Measures were submitted by the local areas to show their continued support and commitment to the EAC process. (second) this activity is directionally sound and should provide air quality benefits and in some cases measurable results. The progress toward implementing this activity and the benefits derived will be documented as a part of the ongoing reporting requirements.</p> <p>2. December 2003 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac.html - additional information provided by the county to include "findings", "advantages/disadvantages", "recommendations", "costs", etc....</p> <p>3. March 2004 - Local Early Action Plan - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0304.asp</p> <p>4. June 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0604.asp</p> <p>5. December 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_1204.asp</p> <p>6. December 2004 - SC EAC SIP - Including Appendix 8 (Local Early Action Plans and the Air Quality Awareness and Improvement Policy) and Appendix 16 (County Level Emission Reductions and Descriptions for the Ozone EAC Areas) - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>7. April 20, 2005 - Correspondence to Mr. Palmer including clarifying supplemental information to the EAC SIP submittal of December 2004. - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>8. June 2005 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0605.asp</p>							

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Catawba, SC (Designated - Attainment)							
LANCASTER COUNTY							
Based on stakeholder consultation and taking into consideration resource and political constraints, the following emission reduction strategies remain under consideration. The County will continue to evaluate the air quality within the county and may implement one or more of the following measures under consideration.							
Early Action Plan Organization Meeting	County officials met with department heads, citizens, education, and corporate officials to begin organizing an Early Action Plan. Attended by 25 individuals.		May, 2003	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Ozone Action Coordinator	County staff person responsible for ozone education/outreach and dissemination of ozone forecast.	At a Safety Committee Retreat it was discussed that the ozone forecast could be placed on the county website in the summer months. On code orange or higher days employees would be encouraged to eat in the building or carpool for lunch.	August 1, 2004	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Park and Ride Facilities	County staff will evaluate the number of workers commuting to other counties within South Carolina and work with local businesses willing to allow park and ride opportunities at their place of business. The county has set a goal of 20 percent of the workforce carpooling by the year 2007.	Discussions have taken place about placing park and ride facilities in planned development districts as this is the primary manner by which the northern portion of the county is developing.	July, 2005	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Web Site	Lancaster County is in the process of developing a web site devoted to educating the public about ozone emissions and ways the public can assist in lowering airborne pollutants	At a Safety Committee Retreat it was discussed that the ozone forecast could be placed on the county website in the summer months. On code orange or higher days employees would be encouraged to eat in the building or carpool for lunch.	August 1, 2004	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Public Service Announcements, Learn TV Cable, Education TV	Lancaster County will produce public service announcements that will be shown on local cable television outlets and the County's education TV channel promoting ways the public can improve air quality.		July, 2003	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Community Meetings	Lancaster County officials will be meeting with the Chamber of Commerce, Rotary, and other community groups in order to explain the Early Action Plan and steps that can be taken by individuals and companies to improve air quality. Plan also includes creating stakeholder agreements with individuals, companies, and civic groups in order to implement air quality measures that improve the community		June -July 2003	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Alternate Work Schedule	Policy will be developed for implementing AWS for employees of area business and industry		Apr-04	n/a directionally	n/a directionally	n/a	See Comment #3
Education	Educate the public through web sites, education TV, education TV slides, PSAs, school group meetings, web sites, radio and print ads, etc. about the EAP and ways individuals and businesses can improve air quality (i.e. vehicles, home appliances, boats, heavy machinery, alternative fuels, agriculture, etc.)		2003-2007	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Recycling Programs	Continue to implement and improve education about County's recycling programs		2003 Ongoing	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Car Fleets Using Alternative Energy Sources	Begin planning to implement alternative fuel sources for County fleets and encouraging alternative fuel fleets at local industry.		2003 Ongoing	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Heavy Machinery	Implement educational efforts and possibly provide tax breaks to companies that utilize emission control systems on heavy machinery		2003 Ongoing	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Traffic Synchronization	Continue to implement synchronization of all traffic lights in municipal areas to decrease stop and go traffic.	As part of streetscape projects along Main Street in the City of Lancaster, all of the traffic signals, except three have been synchronized.	2004 Ongoing	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
School Buses	Improve routes to decrease stop-and-go. Implement steps to purchase alternative fuel buses for fleets		2003 Ongoing	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Planning	Continue proper planning of communities to decrease urban sprawl and limit the amount of driving in communities. Density restrictions. Implementation of walking/bike trails in residential areas that connect to shopping and retail centers	Decreased density in the northern portion of the county from 2.5du/acre to 1.5 du/acre as a means to further encourage the use of planned development districts (PDD). These districts require mixture use developments, walking trails and connectivity both within the development and to adjoining properties. Are in the middle of the approval process to require sidewalks on at least one side of all streets in residential areas.	October 1, 2005	n/a directionally sound	n/a directionally sound	n/a	See Comment #3

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Student Driving	Restrict lower grades in high school from operating and driving cars to school		August, 2003	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Improvement to S.C. Highway 160	Approved plans for widening this heavily traveled road to help alleviate congestion and to handle anticipated growth.	Plans to widen this road have been approved. The plans call for a landscaped median and limited traffic signals and cross cuts. Construction will begin in 2007 and be completed by 2008.	November 1, 2005	n/a directionally sound	n/a directionally sound	n/a	
Greenway Plan	To develop and approve a greenway plan for the northern portion (Panhandle) of the county. This greenway will connect developments and reduce traffic.	A draft map of the greenway system has been developed. We are working with Mecklenburg County, North Carolina and York County, South Carolina on a greenway across one property which will connect all three counties.	September 27, 2005, Ongoing	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Transportation Plan	Develop a transportation plan to help restrict traffic signals and curb cuts on major roads, limit crossovers and require commercial development in minimum 5 acre tracts of land. Additionally, this plan indicates where new roads need to be planned, especially to help move traffic east to west within the county.	The Chamber of Commerce helped develop a draft document that the County can use as a basis for developing a more detailed transportation plan. The Chamber, Planning Dept., an official with the local credit union and the organizer of the Katawba Valley Land Trust worked on this draft document.	September 27, 2005, Ongoing	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Stream Buffer	Develop regulations to limit the cutting of natural vegetation along creeks, streams and rivers.	Have developed regulations establishing buffers along creeks, streams and rivers. Look to implement in 2006.	August 2005, Ongoing	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Legislation	Implement legislation to control outdoor burning and educate the public about hazards		August, 2003	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Comments: 1. December 2004 - SC EAC SIP - activity not quantified for several reasons (first) in accordance with EAC Protocol, after all adopted Federal and State controls were accounted for in the modeling, it was determined that local controls were not necessary to demonstrate attainment of the 8-hour ozone standard. Measures were submitted by the local areas to show their continued support and commitment to the EAC process. (second) this activity is directionally sound and should provide air quality benefits and in some cases measurable results. The progress toward implementing this activity and the benefits derived will be documented as a part of the ongoing reporting requirements. 2. December 2003 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac.html - additional information provided by the county to include "findings", "advantages/disadvantages", "recommendations", "costs", etc.... 3. March 2004 - Local Early Action Plan - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0304.asp 4. June 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0604.asp 5. December 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_1204.asp 6. December 2004 - SC EAC SIP - Including Appendix 8 (Local Early Action Plans and the Air Quality Awareness and Improvement Policy) and Appendix 16 (County Level Emission Reductions and Descriptions for the Ozone EAC Areas) - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html 7. April 20, 2005 - Correspondence to Mr. Palmer including clarifying supplemental information to the EAC SIP submittal of December 2004. - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html 8. June 2005 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0605.asp							

A. Control Measure under Consideration	B. Summary Description of Measure	C. Program/Measure Status	D. Specific Implementation Date	E. VOC Reduction	F. NOx Reduction	G. Resources (FTE's, \$\$)	H. Additional Information
Catawba, SC (Designated - Attainment)							
<p style="text-align: center;">UNION COUNTY</p> <p>Based on stakeholder consultation and taking into consideration resource and political constraints, the following emission reduction strategies remain under consideration. The County will continue to evaluate the air quality within the county and may implement one or more of the following measures under consideration.</p>							
1. Air Quality Contact	One person will be identified as the Air Quality Contact. At a minimum, this contact will be responsible for ozone education/outreach and dissemination of ozone forecast.	Donnie Betenbaugh is the Air Quality Contact	On-going	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
2. Support Statewide efforts	The county will support the efforts of SCDHEC regarding statewide reduction strategies.	on-going	On-going	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
<p>Comments:</p> <p>1. December 2004 - SC EAC SIP - activity not quantified for several reasons (first) in accordance with EAC Protocol, after all adopted Federal and State controls were accounted for in the modeling, it was determined that local controls were not necessary to demonstrate attainment of the 8-hour ozone standard. Measures were submitted by the local areas to show their continued support and commitment to the EAC process. (second) this activity is directionally sound and should provide air quality benefits and in some cases measurable results. The progress toward implementing this activity and the benefits derived will be documented as a part of the ongoing reporting requirements.</p> <p>2. December 2003 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac.html - additional information provided by the county to include "findings", "advantages/disadvantages", "recommendations", "costs", etc....</p> <p>3. March 2004 - Local Early Action Plan - See - http://www.scdhec.gov/eqc/baq/html/eap_eac_0304.asp</p> <p>4. June 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0604.asp</p> <p>5. December 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_1204.asp</p> <p>6. December 2004 - SC EAC SIP - Including Appendix 8 (Local Early Action Plans and the Air Quality Awareness and Improvement Policy) and Appendix 16 (County Level Emission Reductions and Descriptions for the Ozone EAC Areas) - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>7. April 20, 2005 - Correspondence to Mr. Palmer including clarifying supplemental information to the EAC SIP submittal of December 2004. - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>8. June 2005 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0605.asp</p>							

A. Control Measure under Consideration	B. Summary Description of Measure	C. Program/Measure Status	D. Specific Implementation Date	E. VOC Reduction	F. NOx Reduction	G. Resources (FTE's, \$\$)	H. Additional Information
Catawba, SC (Designated - Attainment)							
<p style="text-align: center;">YORK COUNTY</p> <p style="text-align: center;">Based on stakeholder consultation and taking into consideration resource and political constraints, the following emission reduction strategies remain under consideration. The County will continue to evaluate the air quality within the county and may implement one or more of the following measures under consideration.</p>							
Local Option Sales Tax Road Improvements	\$174 million sales tax referendum approved by York County voters in November 2003. Projects emphasize intersection improvements, paved shoulders, sidewalks, and improving traffic choke points.	Design & engineering are underway on over half the projects. Construction on several projects shall begin in 2006.	2004-2012	Directionally Sound	Directionally Sound	\$173 final funds scheduled for program.	See Comment #3
Peak hour bus service to Charlotte	Current Rock Hill Express bus service to Charlotte CBD from four Park-and-Ride facilities in York County.	Bus service is ongoing. Possible expansions/additions are begin considered for other parts of the county.	Current	Directionally Sound	Directionally Sound	No local funding	See Comment #3
Web Site	The 1997 and 2003 one-cent sales tax road projects are listed on the York County website.	Website is continually updated.	July, 2003	Directionally Sound	Directionally Sound	na	See Comment #3 & Comment #9
Update Development Regulations	York County staff is presently updating zoning and subdivision regulations to require sidewalks and lower thresholds for requiring deceleration and left-hand turn lanes into developments.	The update is ongoing. Multiple drafts have been prepared by consultants and reviewed by staff, with one workshop with County Council held in Aug., 2005. Another workshop is scheduled for Jan. 30, 2005, with public hearings to be held in future months.	2004-2006	Directionally Sound	Directionally Sound	est. \$100,000	See Comment #3
Ban open burning	York County currently prohibits all open burning during high ozone days.	Measure still in effect.	Current	Directionally Sound	Directionally Sound	na	See Comment #3
MPO activities	Adoption of Long Range Transportation Plan with 30 percent of revenue targeted for congestion management projects, Major Investment Study ongoing to study feasibility of extending transit from Charlotte into York County, and ongoing Congestion Management Study to manage transportation network in urban areas.	Implementation of RFATS Long Range Transportation Plan is ongoing. Major Investment Study (MIS) is being finalized. Congestion Management Study is underway.	2003-2025	Directionally Sound	Directionally Sound	No local funding	See Comment #3
SEQL Resolution	York County will work with local Council of Government (COG) to identify practical measures to address air quality in accordance with the Sustainable Environment for Quality Life (SEQL) project administered by the Catawba COG.	A SEQL workshop was held on Nov. 14th regarding tree cover. Another workshop will be held Nov.30th.	11/14/2005 & 11/30/2005	Directionally Sound	Directionally Sound	na	See Comment #3
National Clean Diesel Campaign Grant Program Participant	York Technical College was awarded a grant from the EPA's National Clean Diesel Campaign grant program.	Grant awarded.	June 27, 1905	Directionally Sound	Directionally Sound	\$95,040	
Town of Clover Adoption of Smartcode	The Town of Clover has attended workshops on the benefits of adopting the Smartcode development regulations promoted by the firm Duany Plater-Zyberk and company. This smart code addresses transit-oriented and pedestrian-oriented design and promotes walkable developments built to the human scale.	Town of Clover is currently working with the Catawba Council of Governments to customize the Smartcode to fit the specific needs of the town.	Ongoing	Directionally Sound	Directionally Sound	na	
<p>Comments:</p> <p>1. December 2004 - SC EAC SIP - activity not quantified for several reasons (first) in accordance with EAC Protocol, after all adopted Federal and State controls were accounted for in the modeling, it was determined that local controls were not necessary to demonstrate attainment of the 8-hour ozone standard. Measures were submitted by the local areas to show their continued support and commitment to the EAC process. (second) this activity is directionally sound and should provide air quality benefits and in some cases measurable results. The progress toward implementing this activity and the benefits derived will be documented as a part of the ongoing reporting requirements.</p> <p>2. December 2003 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac.html - additional information provided by the county to include "findings", "advantages/disadvantages", "recommendations", "costs", etc....</p> <p>3. March 2004 - Local Early Action Plan - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0304.asp</p> <p>4. June 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0604.asp</p> <p>5. December 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_1204.asp</p> <p>6. December 2004 - SC EAC SIP - Including Appendix 8 (Local Early Action Plans and the Air Quality Awareness and Improvement Policy) and Appendix 16 (County Level Emission Reductions and Descriptions for the Ozone EAC Areas) - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>7. April 20, 2005 - Correspondence to Mr. Palmer including clarifying supplemental information to the EAC SIP submittal of December 2004. - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>8. June 2005 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0605.asp</p> <p>9. http://www.yorkcountygov.com/content.aspx?deptID=21&contentID=168,</p>							

Attachment 3

Pee Dee Area

December 2005 EAC Progress Reports



A. Control Measure under Consideration	B. Summary Description of Measure	C. Program/Measure Status	D. Specific Implementation Date	E. VOC Reduction	F. NOx Reduction	G. Resources (FTE's, \$\$)	H. Additional Information
Pee Dee, SC (Designated - Attainment)							
<p style="text-align: center;">CHESTERFIELD COUNTY</p> <p>Based on stakeholder consultation and taking into consideration resource and political constraints, the following emission reduction strategies remain under consideration. The County will continue to evaluate the air quality within the county and may implement one or more of the following measures under consideration.</p>							
1. Air Quality Contact	One person will be identified as the Air Quality Contact. At a minimum, this contact will be responsible for ozone education/outreach and dissemination of ozone forecast.	On-going	On-going	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
2. Support Statewide efforts	The county will support the efforts of SCDHEC regarding statewide reduction strategies.	On-going	On-going	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
<p>Comments:</p> <p>1. December 2004 - SC EAC SIP - activity not quantified for several reasons (first) in accordance with EAC Protocol, after all adopted Federal and State controls were accounted for in the modeling, it was determined that local controls were not necessary to demonstrate attainment of the 8-hour ozone standard. Measures were submitted by the local areas to show their continued support and commitment to the EAC process. (second) this activity is directionally sound and should provide air quality benefits and in some cases measurable results. The progress toward implementing this activity and the benefits derived will be documented as a part of the ongoing reporting requirements.</p> <p>2. December 2003 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac.html - additional information provided by the county to include "findings", "advantages/disadvantages", "recommendations", "costs", etc....</p> <p>3. March 2004 - Local Early Action Plan - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0304.asp</p> <p>4. June 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0604.asp</p> <p>5. December 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_1204.asp</p> <p>6. December 2004 - SC EAC SIP - Including Appendix 8 (Local Early Action Plans and the Air Quality Awareness and Improvement Policy) and Appendix 16 (County Level Emission Reductions and Descriptions for the Ozone EAC Areas) - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>7. April 20, 2005 - Correspondence to Mr. Palmer including clarifying supplemental information to the EAC SIP submittal of December 2004. - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>8. June 2005 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0605.asp</p>							

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Pee Dee, SC (Designated - Attainment)							
DARLINGTON COUNTY							
Based on stakeholder consultation and taking into consideration resource and political constraints, the following emission reduction strategies remain under consideration. The County will continue to evaluate the air quality within the county and may implement one or more of the following measures under consideration.							
Ozone Action Coordinator	A county staff person responsible for dissemination of ozone forecasts	On going	March 5, 2003	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
County Ozone Committee	County Department Heads and the Ozone Action Coord. Are developing for implementation, a countywide Ozone Reduction Plan. The plan will be made available to local business and industry for possible adoption for their programs. Plan preparations will continue thru out the year in preparation for the up coming 2004 season.	On going	April 15, 2003	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Use of Bio-Diesel/Alternative Fuels	Convert our diesel fleet to Bio-Diesel and low sulfur fuels. Current data shows we can expect a 20% decrease in emissions by using this product. We estimate by last years usage we will use 123,272 gallons of fuel in the up coming budget year. The alternative fuel has been in use for the last six months with no harmful effects to the vehicles. Darlington County will continue the use of the product.	On going	7/1/2003 December 5, 2003	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Reduction of Idling or No-Idle Policy for county vehicles	Department Heads will develop and implement interdepartmental plans to reduce or eliminate idling time on vehicle and maintenance equipment. The county departments are in the process of writing the policies at this time. The plan should be ready June of 2004.	On going	7/1/2003 December 5, 2003	n/a directionally sound	n/a directionally sound	n/a	
Stricter controls of Illegal/Unauthorized outdoor burning.	Darlington County's Code Enforcement, Fire District, Emergency Services and Sheriff's Department will work in combination with State Agencies to develop this action. Information collected on this issue will be forwarded to Darlington County Council for consideration involving this issue.	On going	7/1/2003 December 5, 2003	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Fleet Replacement	Darlington County's Materials Manager and Vehicle Maintenance Contractor will develop a plan to purchase replacement vehicles. Future RFP's should place priority on vehicle and equipment with the latest emission reduction standards.	On going	July 1, 2003	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Community Awareness and Education	Awareness and Education will include public speaking, distribution of educational materials and increase media alerts promoting clean air. The Darlington County School Superintendent will be contacted and requested to encourage the teachers in this county to participate in training classes provided by the SC DHEC Air Quality Bureau, and include the information in the school curriculum.	03-30-03 R. Brock spoke at Joint City/County meeting in Hartsville; Rep's from towns of Lamar & Society Hill, cities of Hartsville & Darlington & Darlington Co. present. Sen. G. Molloy & Rep. J. Lucas attended. Ozone awareness presentation done, followed by discussion on potential negative economic impact of non-attainment. 04/04/03 - Presentation for Sonoco Products -Ozone Awareness. 05/14/03 - Darlington Co. Ozone Steering Committee task Emergency Services to produce three-page brochure with Ozone info. specific for Darlington Co. 08/01/03 - Brochure printed & available for distribution. 12/03/03 - County ozone staff attended training at SC DHEC Air Quality. New programs will be forwarded to school district for consideration for curriculum. First contact will be around 01/01/04. 02/10/04 -Presentation to Hartsville Cancer Survivor Grp 03/02/04 - Presentation to Senior Citizen Grp - Pine Ridge 03/03/04 Dr. F. Hopkins, Dir. of Curriculum & Instruction informed office she assigned science study personnel to distribute & recruit staff for the teachers programs. TV 15 news interviewed department on use of Bio-Diesel. On going		n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Energy Conservation	Energy conservation plans will be developed that directs county departments to reduce the overall yearly energy usage by 5-10%. Our current data shows 5,932,976 kwh used, a 5% reduction will be 296,648 kwh.	On going	July 1, 2003	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Restrict or change the time of use of landscaping and lawn mowing equipment	County Department Heads will receive daily ozone alerts from the Ozone Action Coordinator, on days with high alerts these activities are being rescheduled.	On going	May 1, 2003	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Reduction in unnecessary use of on-road vehicle use and conservation of fuel.	County Department Heads will monitor vehicle and fuel usage on high alert days and decrease departmental use as much as possible.	On going	May 1, 2003	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Promote and encourage employees to eat in or carpool for meals during work hours.	Provide employees with facilities to eat in during working hours and flexible lunch hours to encourage carpooling for meals.	May 15, 2003 we conducted a multi-departmental survey to determine the effects of this measure. 83 out of 100 employees who were asked to take part in the survey returned the survey. We found that by providing facilities (exam. break rooms or kitchens) and flexible lunch hours 52% of the employees are eating meals in with an estimated savings of 9,900 vehicle miles traveled yearly. The average mileage for one employee was 3.14 miles per meal	Feb. 12, 2003	n/a directionally sound	n/a directionally sound	n/a	See Comment #3

A. Control Measure under Consideration	B. Summary Description of Measure	C. Program/Measure Status	D. Specific Implementation Date	E. VOC Reduction	F. NOx Reduction	G. Resources (FTE's, \$\$)	H. Additional Information
<p>Comments:</p> <p>1. December 2004 - SC EAC SIP - activity not quantified for several reasons (first) in accordance with EAC Protocol, after all adopted Federal and State controls were accounted for in the modeling, it was determined that local controls were not necessary to demonstrate attainment of the 8-hour ozone standard. Measures were submitted by the local areas to show their continued support and commitment to the EAC process. (second) this activity is directionally sound and should provide air quality benefits and in some cases measurable results. The progress toward implementing this activity and the benefits derived will be documented as a part of the ongoing reporting requirements.</p> <p>2. December 2003 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac.html - additional information provided by the county to include "findings", "advantages/disadvantages", "recommendations", "costs", etc....</p> <p>3. March 2004 - Local Early Action Plan - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0304.asp</p> <p>4. June 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0604.asp</p> <p>5. December 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_1204.asp</p> <p>6. December 2004 - SC EAC SIP - Including Appendix 8 (Local Early Action Plans and the Air Quality Awareness and Improvement Policy) and Appendix 16 (County Level Emission Reductions and Descriptions for the Ozone EAC Areas)- See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>7. April 20, 2005 - Correspondence to Mr. Palmer including clarifying supplemental information to the EAC SIP submittal of December 2004. - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>8. June 2005 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0605.asp</p> <p>9. December 2005 - Progress Report- Darlington County has continued to monitor the ozone levels during the season and distribute educational materials.</p>							

A. Control Measure under Consideration	B. Summary Description of Measure	C. Program/Measure Status	D. Specific Implementation Date	E. VOC Reduction	F. NOx Reduction	G. Resources (FTE's, \$\$)	H. Additional Information
Pee Dee, SC (Designated - Attainment)							
<p style="text-align: center;">DILLON COUNTY</p> <p>Based on stakeholder consultation and taking into consideration resource and political constraints, the following emission reduction strategies remain under consideration. The County will continue to evaluate the air quality within the county and may implement one or more of the following measures under consideration.</p>							
1. Air Quality Contact	One person will be identified as the Air Quality Contact. At a minimum, this contact will be responsible for ozone education/outreach and dissemination of ozone forecast.	On-going	On-going	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
2. Support Statewide efforts	The county will support the efforts of SCDHEC regarding statewide reduction strategies.	On-going	On-going	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
<p>Comments:</p> <p>1. December 2004 - SC EAC SIP - activity not quantified for several reasons (first) in accordance with EAC Protocol, after all adopted Federal and State controls were accounted for in the modeling, it was determined that local controls were not necessary to demonstrate attainment of the 8-hour ozone standard. Measures were submitted by the local areas to show their continued support and commitment to the EAC process. (second) this activity is directionally sound and should provide air quality benefits and in some cases measurable results. The progress toward implementing this activity and the benefits derived will be documented as a part of the ongoing reporting requirements.</p> <p>2. December 2003 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac.html - additional information provided by the county to include "findings", "advantages/disadvantages", "recommendations", "costs", etc....</p> <p>3. March 2004 - Local Early Action Plan - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0304.asp</p> <p>4. June 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0604.asp</p> <p>5. December 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_1204.asp</p> <p>6. December 2004 - SC EAC SIP - Including Appendix 8 (Local Early Action Plans and the Air Quality Awareness and Improvement Policy) and Appendix 16 (County Level Emission Reductions and Descriptions for the Ozone EAC Areas)- See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>7. April 20, 2005 - Correspondence to Mr. Palmer including clarifying supplemental information to the EAC SIP submittal of December 2004. - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>8. June 2005 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0605.asp</p>							

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Pee Dee, SC (Designated - Attainment) - Florence County							
Gas Can Exchange Event		At this time, this item will be deferred due to limited resources.		n/a	n/a	n/a	
FLORENCE COUNTY Based on stakeholder consultation and taking into consideration resource and political constraints, the following emission reduction strategies remain under consideration. The County will continue to evaluate the air quality within the county and may implement one or more of the following measures under consideration.							
Support SCDHEC Statewide efforts to reduce ground-level ozone in Florence County.	Develop steering committee to support and participate in developing action items and emission reduction efforts in order to satisfy requirements of Early Action Compact.	Steering committee membership to be updated in 2006.	On-going	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Designate an Ozone Action Coordinator	Designate a representative who will be responsible for coordination of county ozone programs.		Complete	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Work with Owners/ Operators of major vehicle fleets to reduce NOx and VOC emissions.	Identify owners/operators of major fleet vehicle pools in Florence Co. Catalog the number and type of fleet vehicles and fuel used (15 or more units). Encourage the adoption of "no-idling" policies by owners/operators where feasible. Encourage fleet maintenance to ensure that vehicular emissions remain within manufacturer's standards. Encourage the replacement of older vehicles with vehicles that are more fuel-efficient and with lower emissions. Encourage fleet operators to constantly review routing and scheduling to maximize efficiency and reduce fuel consumption. Encourage fleet operators to install vapor recovery equipment at their central fueling stations. Evaluate alternatives for fueling vehicles after 6:00 PM. Evaluate fueling station for Gas/Methanol mixture.	These initiatives have been reviewed with various fleet owners within the County via local chamber of commerce and other civic group meetings. At this point in time, there are no other initiatives planned. This will be further evaluated in 2006.	4th QTR, 2003 1st QTR, 2004 1st QTR, 2004 On-going 4th QTR, 2003 3rd QTR, 2004 4th QTR, 2003	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Reduce emissions from open burning.	Evaluate changes to county and municipal ordinances to minimize emissions from outdoor burning. Coordinate with state agencies to ensure state requirements are satisfied. Evaluate pallet recycling alternatives in the county.	These items were reviewed during a April, 2005 Steering committee meeting. These initiatives will be further evaluated in 2006.	2nd QTR, 2004 3rd QTR, 2004	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Work with electric and natural gas utilities to perform energy audits on all public facilities.	Determine current energy consumption patterns in public and institutional facilities and establish baseline data. Perform energy audits. Encourage governments in Florence County to educate their employees on day-to-day energy conservation measures. Set energy reduction goals and monitor progress toward satisfying targets.	This item was reviewed during the April, 2005 Steering Committee meeting. This will be further evaluated in 2006.	2nd QTR, 2004 1st QTR, 2004 3rd QTR, 2004/ongoing	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Encourage golf courses utilizing gasoline powered carts and maintenance equipment to switch to electric or newer, more efficient gasoline powered carts and equipment.	Generate inventory of gasoline powered carts and equipment. Monitor and report replacement of existing carts and equipment with electric carts or newer, more fuel efficient and lower emission gasoline powered carts and equipment.	Due to limited resources and the anticipated benefits, this initiative has been deleted from the plan.	3 rd QTR, 2004	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Evaluate potential for "Park and Ride" Program.	Coordinate with SC DOT and Pee Dee Regional Transportation Authority officials to evaluate options for "Park and Ride" and other mass transit opportunities. Evaluate available grants.	This item was reviewed during the April, 2005 Steering Committee meeting. This will be further evaluated in 2006.	4 th QTR, 2004	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Encourage car pooling to work in Florence County.	Encourage major employers in the county to implement car pooling. Evaluate "preferred parking" and other incentive programs.	This item was reviewed during the April, 2005 Steering Committee meeting. This will be further evaluated in 2006.	4 th QTR, 2004	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Evaluate the potential for city and county to re-schedule heavy equipment operations on forecasted high ozone days.	Investigate impact of re-scheduling mowing, construction and other heavy equipment operations on forecasted high ozone alert days.	This item is complete. This was reviewed during previous steering committee meetings with public works from the City and County. Although difficult to implement, schedule changes to be made when feasible.	2 nd QTR, 2004	n/a directionally sound	n/a directionally sound	n/a	
Investigate the availability of "green power" and encourage local businesses and governments to adopt.	Evaluate availability of "green power" in Florence County. Work with local utilities to evaluate alternatives. Document consumption of "green power" in order to quantify emission reductions.	This item was reviewed during the April, 2005 Steering Committee meeting. This will be further evaluated in 2006.	2nd QTR, 2004 3rd QTR, 2004	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Reduce emissions from over-the-road vehicles that idle for extended periods at truck stops and rest areas.	Work with truck stop owners and SCDOT to investigate the feasibility of installing electrical hookups for over the road vehicles at truck stops and rest areas.	A project was initiated in 2004 to establish electrical hook ups at Fuel station as I-95, Exit 169. Due to limited funding, it was not implemented. Therefore, this item can be closed out.	3 rd QTR, 2004	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Gasoline can trade-out program.	Conduct annual "Trade-it-In for Cleaner Air" day where citizens can trade-in-their old gasoline cans for the newer, "spill proof" variety. Work with landscaping and lawn maintenance firms in the county to encourage utilization of the larger "spill proof" fuel containers.	This item was reviewed during the April, 2005 Steering Committee meeting. This will be further evaluated in 2006.	4th QTR, 2004	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Utilize Public access and commercial television stations as forums for disseminating information about the impacts of ground-level ozone.	Develop and disseminate a 30-second or 60-second "public service" spot for airing on local and regional television. Place "rolling messages" on the government access channel. Develop and air documentary explaining concerns from ground-level ozone and suggested actions and modifications to help reduction level. Work with local media (radio, television and newspaper) to post daily ozone forecasts as part of local weather reports.	This item was reviewed during the April, 2005 Steering Committee meeting. This will be further evaluated in 2006.	2nd QTR, 2004	n/a directionally sound	n/a directionally sound	n/a	See Comment #3

A. Control Measure under Consideration	B. Summary Description of Measure	C. Program/Measure Status	D. Specific Implementation Date	E. VOC Reduction	F. NOx Reduction	G. Resources (FTE's, \$\$)	H. Additional Information
Make presentations to local civic clubs, businesses, and government councils and agencies regarding impacts of ground-level ozone.	Develop power point slide presentation which outlines issues surrounding ground-level ozone and Early Action Plan and make presentations to various groups. Schedule presentations with the various groups identified within the City and County.	A powerpoint presentation was created and is available for presentations to various civic groups throughout the county.	On-going 1st QTR, 2004	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Work with SCDHEC to obtain brochures and other educational materials for education to the community.	Distribute brochures and other educational materials to the various groups.	This item was reviewed during the April, 2005 Steering Committee meeting. This will be further evaluated in 2006.	1st QTR, 2004	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Generate on-going coverage by local/regional newspapers, magazines, association letters, etc. regarding ground-level ozone issues.	Develop narrative about the issues surrounding ozone problem for distribution to local newspapers. Develop narrative about the issues surrounding ozone problem for distribution to business in company newsletters.		1st QTR, 2004	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Work with Florence County School Districts to educate teachers and students regarding ground-level ozone issues.	Distribute brochures and give presentations to students/teachers as part of educational process to inform students of issues surrounding ground-level ozone.	This item was reviewed during the April, 2005 Steering Committee meeting. This will be further evaluated in 2006.	2nd QTR, 2004	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Comments: 1. December 2004 - SC EAC SIP - activity not quantified for several reasons (first) in accordance with EAC Protocol, after all adopted Federal and State controls were accounted for in the modeling, it was determined that local controls were not necessary to demonstrate attainment of the 8-hour ozone standard. Measures were submitted by the local areas to show their continued support and commitment to the EAC process. (second) this activity is directionally sound and should provide air quality benefits and in some cases measurable results. The progress toward implementing this activity and the benefits derived will be documented as a part of the ongoing reporting requirements. 2. December 2003 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac.html - additional information provided by the county to include "findings", "advantages/disadvantages", "recommendations", "costs", etc.... 3. March 2004 - Local Early Action Plan - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0304.asp 4. June 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0604.asp 5. December 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_1204.asp 6. December 2004 - SC EAC SIP - Including Appendix 8 (Local Early Action Plans and the Air Quality Awareness and Improvement Policy) and Appendix 16 (County Level Emission Reductions and Descriptions for the Ozone EAC Areas)- See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html 7. April 20, 2005 - Correspondence to Mr. Palmer including clarifying supplemental information to the EAC SIP submittal of December 2004. - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html 8. June 2005 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0605.asp							

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Pee Dee, SC (Designated - Attainment)							
<p style="text-align: center;">MARION COUNTY</p> <p>Based on stakeholder consultation and taking into consideration resource and political constraints, the following emission reduction strategies remain under consideration. The County will continue to evaluate the air quality within the county and may implement one or more of the following measures under consideration.</p>							
Air Quality Contact	An Ozone Action Coordinator has been named.	on-going	March 1, 2003	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Fleet Management	Future purchase of vehicles with highest emission standards	on-going	April 1, 2005	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Fuels	Use of alternative fuels whenever possible	Measure adopted by county as policy for all Marion County employees.	April 1, 2005	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Reduce VMT	Eliminate travel by county vehicle whenever possible	Measure adopted by county as policy for all Marion County employees.	April 1, 2005	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Re-fueling	"No-Topping Off" policy for county vehicles	Measure adopted by county as policy for all Marion County employees.	April 1, 2005	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Energy Consumption	Seek to reduce energy use in county buildings	Measure adopted by county as policy for all Marion County employees.	April 1, 2005	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Lawn Maintenance	Rescheduling of mowing times whenever possible	Measure adopted by county as policy for all Marion County employees.	April 1, 2005	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Idling	Implement policy reducing idling time for county vehicles	Measure adopted by county as policy for all Marion County employees.	April 1, 2005	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Education	Distribute ozone education brochures, periodic public awareness advertisements will be issued	The county distributed brochures to the public and to employees.	April 1, 2005	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Open burning	Code enforcement of illegal burning laws	Illegal burning laws have been enforced.	April 1, 2005	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
<p>Comments:</p> <p>1. December 2004 - SC EAC SIP - activity not quantified for several reasons (first) in accordance with EAC Protocol, after all adopted Federal and State controls were accounted for in the modeling, it was determined that local controls were not necessary to demonstrate attainment of the 8-hour ozone standard. Measures were submitted by the local areas to show their continued support and commitment to the EAC process. (second) this activity is directionally sound and should provide air quality benefits and in some cases measurable results. The progress toward implementing this activity and the benefits derived will be documented as a part of the ongoing reporting requirements.</p> <p>2. December 2003 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac.html - additional information provided by the county to include "findings", "advantages/disadvantages", "recommendations", "costs", etc....</p> <p>3. March 2004 - Local Early Action Plan - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0304.asp</p> <p>4. June 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0604.asp</p> <p>5. December 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_1204.asp</p> <p>6. December 2004 - SC EAC SIP - Including Appendix 8 (Local Early Action Plans and the Air Quality Awareness and Improvement Policy) and Appendix 16 (County Level Emission Reductions and Descriptions for the Ozone EAC Areas) - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>7. April 20, 2005 - Correspondence to Mr. Palmer including clarifying supplemental information to the EAC SIP submittal of December 2004. - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>8. June 2005 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0605.asp</p>							

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Pee Dee, SC (Designated - Attainment)							
<p align="center">MARLBORO COUNTY</p> <p align="center">Based on stakeholder consultation and taking into consideration resource and political constraints, the following emission reduction strategies remain under consideration. The County will continue to evaluate the air quality within the county and may implement one or more of the following measures under consideration.</p>							
Air Quality Contact	One person, Gray Bostick, has been identified as the Air Quality Contact. At a minimum, Mr. Bostick will be responsible for ozone education/outreach and dissemination of ozone forecast.		March 1, 2003	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Support state-wide efforts	Marlboro County will support the efforts of SC DHEC regarding state-wide emission reduction strategies.	On-going	Ongoing	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Fleet management	Marlboro County will consider alternative fueled and hybrid vehicles in the replacement of county fleet vehicles when appropriate.		Fiscal Year 2003-2004	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
County Bid Proposal Process	Marlboro County will give preference to companies that use environmentally "friendly" equipment on county projects.		Fiscal Year 2003 - 2004	n/a directionally sound	n/a directionally sound	n/a	
Education	Marlboro County will work with the local school district to encourage the use of the "Action for a Cleaner Tomorrow" curriculum		School Year 2004-2005	n/a directionally sound	n/a directionally sound	n/a	
Corporate cooperation	Marlboro County will seek to create partnerships with local businesses and industries in an effort to increase awareness of air quality concerns.	On-going	Ongoing	n/a directionally sound	n/a directionally sound	n/a	
Corporate sponsorships	Marlboro County will encourage local businesses and industries to provide financial support to those striving for improved air quality.	On-going	Ongoing	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Comments: 1. December 2004 - SC EAC SIP - activity not quantified for several reasons (first) in accordance with EAC Protocol, after all adopted Federal and State controls were accounted for in the modeling, it was determined that local controls were not necessary to demonstrate attainment of the 8-hour ozone standard. Measures were submitted by the local areas to show their continued support and commitment to the EAC process. (second) this activity is directionally sound and should provide air quality benefits and in some cases measurable results. The progress toward implementing this activity and the benefits derived will be documented as a part of the ongoing reporting requirements. 2. December 2003 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac.html - additional information provided by the county to include "findings", "advantages/disadvantages", "recommendations", "costs", etc.... 3. March 2004 - Local Early Action Plan - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0304.asp 4. June 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0604.asp 5. December 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_1204.asp 6. December 2004 - SC EAC SIP - Including Appendix 8 (Local Early Action Plans and the Air Quality Awareness and Improvement Policy) and Appendix 16 (County Level Emission Reductions and Descriptions for the Ozone EAC Areas)- See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html 7. April 20, 2005 - Correspondence to Mr. Palmer including clarifying supplemental information to the EAC SIP submittal of December 2004. - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html 8. June 2005 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0605.asp							

Attachment 4

Waccamaw Area

December 2005 EAC Progress Reports



A. Control Measure under Consideration	B. Summary Description of Measure	C. Program/Measure Status	D. Specific Implementation Date	E. VOC Reduction	F. NOx Reduction	G. Resources (FTE's, \$\$)	H. Additional Information
Waccamaw, SC (Designated - Attainment)							
<p align="center">GEORGETOWN COUNTY</p> <p align="center">Based on stakeholder consultation and taking into consideration resource and political constraints, the following emission reduction strategies remain under consideration. The County will continue to evaluate the air quality within the county and may implement one or more of the following measures under consideration.</p>							
New Employee Orientation	Encourage employees to be ozone friendly during the new employee orientation.	The New Employee Orientation is conducted once a quarter. The PowerPoint presentation has a slide concerning air quality. Our no idling policy is discussed.	On Going	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Assign Ozone Action Coordinators	Holley Causey & Amy McCutcheon have been assign as the ozone action coordinators.	Amy McCutcheon is no longer employed with the county. Holley Causey is the Ozone Action Coordinator.	Completed	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Distribute informational flyers	Flyers concerning ozone issues and helpful individual actions will be given to county employees and citizens.	Spare the Air flyers, Air Quality Word Searches, and Fall Car Care Month flyers were distributed with employee paychecks. Two educational ads were placed in local newspapers.	Completed	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Ozone awareness articles in Department Newsletters	The action coordinators will promote ozone awareness by developing articles for the County newsletter.	Informational ads were placed in the county newsletter. This newsletter has been replaced with the county intranet site. Ads will be placed on the intranet in the future.	On Going	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
E-mail county employees with Ozone Action Days	E-mails will be sent to each county employee on the county website notifying ozone action alert days.	Georgetown County will continue to implement this program.	On Going	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Include information on ozone awareness on county website	Information will be added to the county website to educate the public about ozone awareness.	The Environmental Education Center Lessons have been posted on the website which shows air quality lessons taught. The ozoneforecast@dhec.sc.gov link has been added to the county website.	Completed	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Refuel vehicles at night when possible	Mosquito Control will have night shift refuel spray units at night.	This program has been implemented by the Mosquito Control Division and will continue next year.	On Going	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Encourage employees not to top off tank when refueling	Employees will be reminded in staff meetings not to top off tank when refueling.	Employees were reminded during monthly staff meetings not to top off tanks when fueling.	Completed	n/a directionally sound	n/a directionally sound	n/a	
Institute energy conservation measures in county offices	Signs will be posted and reminders sent to employees to follow energy conservation measures	Reminders were posted on departments bulletin boards to remind employees to turn off lights and computers. Air Quality posters were also hung in various county offices.	Completed	n/a directionally sound	n/a directionally sound	n/a	
Develop bike trail system in county	A bike trail system is being constructed in parts of the county.	Phase One which includes 7200' of the bike trail will be completed in January. The second phase which will complete an additional 5000' is pending on grant approval.	In Progress	n/a directionally sound	n/a directionally sound	n/a	
Implement smoking vehicle program	Have First Vehicle Services implement a smoking vehicle program and conduct checks on leaking gas caps	The County's Fleet Services Division has implemented a no smoking policy. Each vehicle is also routinely checked for leaking gas caps.	Completed	n/a directionally sound	n/a directionally sound	n/a	
Implement reduction of idle or no idle policy	Have Director implement no idle standard operating procedure	A No Idling Policy Standard Operations Procedure was implemented May 6, 2004. This policy is strictly enforced.	Completed	n/a directionally sound	n/a directionally sound	n/a	
Develop energy element in comprehensive plan	An energy element should be implemented in the county comprehensive plan	The Energy Element will be incorporated into the comprehensive plan which will be completed in 2007.	On Going	n/a directionally sound	n/a directionally sound	n/a	
Encourage employees to use alternatives for transportation	Encourage employees to carpool or bike to work	A pool car list has been added to the County Intranet to encourage employees to carpool to meetings.	April 1, 2004	n/a directionally sound	n/a directionally sound	n/a	
Encourage employees to bring lunch to work or order in	Have menus of restaurants that provide delivery service in all county break rooms	Menus from area restaurants are posted on bulletin boards to encourage employees to order food on the job site.	In Progress	n/a directionally sound	n/a directionally sound	n/a	
Educate citizens about air quality issues	Educate citizens through informational flyers at recycling center information booths	Information booths no longer exist. The county will distribute flyers through another channel in the future.	April 1, 2004	n/a directionally sound	n/a directionally sound	n/a	
Include air quality lessons in EEC Curriculum	Teach lessons from the Action for a cleaner tomorrow book at the EEC	Air quality lessons are taught using the Action for a Cleaner Tomorrow Lesson Book. Each lesson date and classis posted on our county website.	Completed	n/a directionally sound	n/a directionally sound	n/a	
Place standard catalytic reductions on two units	Two units will be equipped with SCR to reduce emissions	Currently, the Winyah Station has 4 units completed.	Completed	n/a directionally	80-90%	n/a	Contact Leon Outlaw at 843-761-8000
Electric cars will be purchased for on site mobilization	Electric cars will be used for transportation at the office	In the process of researching electric car purchase. Santee Cooper is still driving the E85 fueled car.	In Progress	n/a directionally sound	n/a directionally sound	n/a	
Purchase alternative fuel vehicles as company cars	Increase fleet of company cars that use E80 fuel for transportation	Currently are operating one E85 fuel driven car. Will research the possibility of increasing fleet in future.	In Progress	n/a directionally sound	n/a directionally sound	n/a	
Providing flexible hours of operation for employees	Company will have a flexible working schedule for employees	Santee Cooper does offer flexible schedules which varies within departments.	In Progress	n/a directionally	n/a directionally	n/a	

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Employees will be allowed to work at home	Company will allow employees to work at home over the internet	Santee Cooper recently installed internet access capability from your home for employees.	April 1, 2004	n/a directionally sound	n/a directionally sound	n/a	
Implement Residential Development Ordinance	Establish an ordinance that requires new developments over 10 lots to install a bike trail or sidewalks.		In Progress	n/a directionally	n/a directionally	n/a	
Adopt a resolution thanking local industries for their efforts in reducing air pollution	Thank International Paper and Georgetown Steel for their past efforts in reducing air pollution and strongly encouraging them to do more	The City of Georgetown will add this to the December 2005 agenda for their city council to approve.	In Progress	n/a directionally sound	n/a directionally sound	n/a	
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Waccamaw, SC (Designated - Attainment)							
<p style="text-align: center;">HORRY COUNTY</p> <p>Based on stakeholder consultation and taking into consideration resource and political constraints, the following emission reduction strategies remain under consideration. The County will continue to evaluate the air quality within the county and may implement one or more of the following measures under consideration.</p>							
1. Air Quality Contact	One person will be identified as the Air Quality Contact. At a minimum, this contact will be responsible for ozone education/outreach and dissemination of ozone forecast.	Horry County has identified Paul Whitten (Public Safety Director) as the Air Quality Contact.	March 1, 2003	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
2. Support Statewide efforts	The county will support the efforts of SCDHEC regarding statewide reduction strategies.	Horry County continues to support the SCDHEC reduction strategies.	March 1, 2003	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Public Awareness	Horry County will develop outreach efforts to educate and motivate individuals to take actions to minimize ozone pollution.	Horry County has made periodic briefings on the Ozone Reduction to the County Council's Public Safety Committee.	August 1, 2003	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Hybrid Vehicle	Horry County will purchase and use Hybrid vehicles, where appropriate.	Horry County's Fleet Manager has been researching the feasibility of purchasing hybrid vehicles for government use. He participated in an EXPO on hybrid vehicles on November 18, 2005.	October 1, 2004	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Alternative Fuel Vehicles	Horry County will purchase and use fuel-efficient and low emissions vehicles, where appropriate.	Horry County has made a major policy decision to utilize Chevrolet Impala's (instead of Ford Crown Vics) for the Horry County Police Department. The fuel efficiency of the Impala's was the major reason for this policy change. Our analysis indicates almost twice the fuel efficiency in real world application. In 2005, we replaced over 45 vehicles in this program.	January 1, 2003	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Conservation	Horry County will develop an Energy Conservation Plan for county government operations.	Horry County has delayed the development of an Energy Conservation Plan, due to limited resources. This plan is now scheduled for completion by June 2006.	March 1, 2004	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Land Use	Horry County will review our current land use regulations to ensure landscaping standards are considered and appropriate.	Horry County has reviewed land use regulations, and additional landscaping standards have been implemented. Specifically the increase is in buffer areas, separating commercial and residential zoning districts.	June 1, 2004	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Mobile Sources	Horry County will reduce vehicle emissions in the ambulance fleet by providing electrical power to power air conditioning and heating, while ambulances are in the station. Thus eliminating the need to idle the vehicles.	Currently 7 of our 22 ambulances have this feature, and as we replace older models, we require this in the new vehicles.	May 1, 2003	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Mobile Sources	Horry County will encourage carpooling as an option where employees agree to ride together. Horry County will consider incentives to those who participate.	Horry County is re-thinking our parking strategy and is considering the adoption of incentives for those who consider carpooling.	January 1, 2004	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Staggered Hours / Flex Time	Horry County will allow staggered and flex hours in scheduling work and work hours, in some departments, as appropriate.	Currently Horry County has several departments utilizing staggered and flex hours.	July 1, 2003	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Teleconferencing	Horry County will encourage the use of teleconferencing, and provide appropriate equipment and technologies.	Horry County currently uses teleconferencing in several areas, including long distance job interviews and other applications. In the FY2007 budget, we will fund the necessary equipment to develop a county-city video conference capability.	May 1, 2002	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Mass Transit	Horry County will promote and support mass transit as a transportation option.	Horry County has actively supported mass transit in this area. This was demonstrated by 2 major decisions made by Horry County Council. On Oct 25, 2005, they provided an additional \$107,600 in funds to the Waccamaw Area Regional Transportation Authority. On Nov 29, 2005, county council reclassified the Authority so that they will be eligible for county funding in all future budgets.	July 1, 2003	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Green Power	Horry County will support Green Power initiatives, as appropriate.	Horry County supports the Horry County Solid Waste Authority's "GREEN POWER" program.	July 1, 2003	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Awareness	Horry County will consider parking facility controls that encourage carpooling, and limits the impact on vehicle operation and parking.	Horry County is re-thinking our parking strategy and is considering the adoption of incentives for those who consider carpooling.	January 1, 2004	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Mobile Sources	Horry County will encourage and support traffic operational planning, engineering and maintenance for existing and future transportation infrastructure.	Horry County supports effective traffic planning, and has been including this in the development of new neighborhoods.	May 1, 2002	n/a directionally sound	n/a directionally sound	n/a	See Comment #3

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Waccamaw, SC (Designated - Attainment)							
<p align="center">WILLIAMSBURG COUNTY</p> <p>Based on stakeholder consultation and taking into consideration resource and political constraints, the following emission reduction strategies remain under consideration. The County will continue to evaluate the air quality within the county and may implement one or more of the following measures under consideration.</p>							
1. Air Quality Contact	One person will be identified as the Air Quality Contact. At a minimum, this contact will be responsible for ozone education/outreach and dissemination of ozone forecast.	Contact Person - J. P. Gamble	on-going	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
2. Support Statewide efforts	The county will support the efforts of SCDHEC regarding statewide reduction strategies.	Williamsburg County will continue to be proactive with citizens, industries and government agencies with information and education, bulletins, meetings, etc.	on-going	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
3. Local Business incentive	Air Quality improvement ideas will be sent to all companies. Will encourage each company to identify a contact person.	We will continue our relationship with all industries in strategies for ozone months of 2006. We will also update our contacts with our companies and identify their representative.	on-going	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
4. Air Quality Strategies	Continue to work with Stakeholders to implement air quality strategies	Will continue to work with our stakeholders to implement strategies to maintain attainment	on-going	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
<p>Comments:</p> <p>1. December 2004 - SC EAC SIP - activity not quantified for several reasons (first) in accordance with EAC Protocol, after all adopted Federal and State controls were accounted for in the modeling, it was determined that local controls were not necessary to demonstrate attainment of the 8-hour ozone standard. Measures were submitted by the local areas to show their continued support and commitment to the EAC process. (second) this activity is directionally sound and should provide air quality benefits and in some cases measurable results. The progress toward implementing this activity and the benefits derived will be documented as a part of the ongoing reporting requirements.</p> <p>2. December 2003 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac.html - additional information provided by the county to include "findings", "advantages/disadvantages", "recommendations", "costs", etc....</p> <p>3. March 2004 - Local Early Action Plan - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0304.asp</p> <p>4. June 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0604.asp</p> <p>5. December 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_1204.asp</p> <p>6. December 2004 - SC EAC SIP - Including Appendix 8 (Local Early Action Plans and the Air Quality Awareness and Improvement Policy) and Appendix 16 (County Level Emission Reductions and Descriptions for the Ozone EAC Areas)- See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>7. April 20, 2005 - Correspondence to Mr. Palmer including clarifying supplemental information to the EAC SIP submittal of December 2004. - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>8. June 2005 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0605.asp</p>							

Attachment 5

Santee Lynches Area

December 2005 EAC Progress Reports

December 2005



A. Control Measure under Consideration	B. Summary Description of Measure	C. Program/Measure Status	D. Specific Implementation Date	E. VOC Reduction	F. NOx Reduction	G. Resources (FTE's, \$\$)	H. Additional Information
Santee-Lynches, SC (Designated - Attainment)							
<p style="text-align: center;">CLARENDON COUNTY</p> <p>Based on stakeholder consultation and taking into consideration resource and political constraints, the following emission reduction strategies remain under consideration. The County will continue to evaluate the air quality within the county and may implement one or more of the following measures under consideration.</p>							
Investigating County vehicle fleet	Review maintenance schedules and overall inspection program by County Vehicle Maintenance.	Observations of the County shop activities appear to be in keeping with proper operation and maintenance of County vehicles.	Nov. 1, 2003	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Investigate nature of school district vehicle operation and maintenance.	Seek to work with school districts similarly as the County's fleet.	Have not been in contact with School officials on this matter.	Nov-Dec 2003	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Introduce ozone reduction as a part of school science curriculum.	Use ozone reduction as a part of physical science or earth science class.	Have contacted school districts on several occasions regarding inclusion of this topic in science curriculum.	Nov-Dec 2003	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Establish County spokesman for air quality.	Find the most logical point to disseminate ozone information and open burning requirements pursuant to air quality.	Farming community is noticed through news letter from Soil and Water Conservation District concerning ozone issues related to open burning and machinery operation.	Jan-Feb 2004	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Develop open burning guidelines	Coordinate open burning with appropriate air quality constraints	General community advised to contact County Engineer's office if there are questions regarding appropriate actions for burning and other activities.	Jan-Feb 2004	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
<p>Comments:</p> <p>1. December 2004 - SC EAC SIP - activity not quantified for several reasons (first) in accordance with EAC Protocol, after all adopted Federal and State controls were accounted for in the modeling, it was determined that local controls were not necessary to demonstrate attainment of the 8-hour ozone standard. Measures were submitted by the local areas to show their continued support and commitment to the EAC process. (second) this activity is directionally sound and should provide air quality benefits and in some cases measurable results. The progress toward implementing this activity and the benefits derived will be documented as a part of the ongoing reporting requirements.</p> <p>2. December 2003 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac.html - additional information provided by the county to include "findings", "advantages/disadvantages", "recommendations", "costs", etc....</p> <p>3. March 2004 - Local Early Action Plan - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0304.asp</p> <p>4. June 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0604.asp</p> <p>5. December 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_1204.asp</p> <p>6. December 2004 - SC EAC SIP - Including Appendix 8 (Local Early Action Plans and the Air Quality Awareness and Improvement Policy) and Appendix 16 (County Level Emission Reductions and Descriptions for the Ozone EAC Areas) - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>7. April 20, 2005 - Correspondence to Mr. Palmer including clarifying supplemental information to the EAC SIP submittal of December 2004. - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>8. June 2005 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0605.asp</p>							

A. Control Measure under Consideration	B. Summary Description of Measure	C. Program/Measure Status	D. Specific Implementation Date	E. VOC Reduction	F. NOx Reduction	G. Resources (FTE's, \$\$)	H. Additional Information
Santee-Lynches, SC (Designated - Attainment)							
<p align="center">KERSHAW COUNTY</p> <p>Based on stakeholder consultation and taking into consideration resource and political constraints, the following emission reduction strategies remain under consideration. The County will continue to evaluate the air quality within the county and may implement one or more of the following measures under consideration.</p>							
1. Air Quality Contact	One person will be identified as the Air Quality Contact. At a minimum, this contact will be responsible for ozone education/outreach and dissemination of ozone forecast.	On-going	On-going	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
2. Support Statewide efforts	The county will support the efforts of SCDHEC regarding statewide reduction strategies.	On-going	On-going	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Community Awareness and Education	Enhancing ozone awareness will be a vital part of Kershaw County's EAP. A/E will include public speaking, distribution of educational materials, and increased media alerts concerning ozone and clean air awareness.	On-going	June 1, 2003	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Alternative Fuel Use	Plan for the use of alternative fuels where possible.	On-going	July 1, 2004	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Teleconferencing	Encourage the use of teleconferencing, and provide teleconferencing facilities and technologies.	On-going	January 1, 2004	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Media	Utilize local media for education/outreach activities, ozone forecast, PSA's, etc.	On-going	January 1, 2004	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Fleet Scrappage	Implement a fleet scrappage or retirement program.	On-going	Existing	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
<p>Comments:</p> <p>1. December 2004 - SC EAC SIP - activity not quantified for several reasons (first) in accordance with EAC Protocol, after all adopted Federal and State controls were accounted for in the modeling, it was determined that local controls were not necessary to demonstrate attainment of the 8-hour ozone standard. Measures were submitted by the local areas to show their continued support and commitment to the EAC process. (second) this activity is directionally sound and should provide air quality benefits and in some cases measurable results. The progress toward implementing this activity and the benefits derived will be documented as a part of the ongoing reporting requirements.</p> <p>2. December 2003 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac.html - additional information provided by the county to include "findings", "advantages/disadvantages", "recommendations", "costs", etc....</p> <p>3. March 2004 - Local Early Action Plan - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0304.asp</p> <p>4. June 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0604.asp</p> <p>5. December 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_1204.asp</p> <p>6. December 2004 - SC EAC SIP - Including Appendix 8 (Local Early Action Plans and the Air Quality Awareness and Improvement Policy) and Appendix 16 (County Level Emission Reductions and Descriptions for the Ozone EAC Areas) - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>7. April 20, 2005 - Correspondence to Mr. Palmer including clarifying supplemental information to the EAC SIP submittal of December 2004. - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>8. June 2005 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0605.asp</p>							

A. Control Measure under Consideration	B. Summary Description of Measure	C. Program/Measure Status	D. Specific Implementation Date	E. VOC Reduction	F. NOx Reduction	G. Resources (FTE's, \$\$)	H. Additional Information
Santee-Lynches, SC (Designated - Attainment) - Lee County							
Gas Can Exchange Event							
<p style="text-align: center;">LEE COUNTY</p> <p>Based on stakeholder consultation and taking into consideration resource and political constraints, the following emission reduction strategies remain under consideration. The County will continue to evaluate the air quality within the county and may implement one or more of the following measures under consideration.</p>							
1. Air Quality Contact	One person will be identified as the Air Quality Contact. At a minimum, this contact will be responsible for ozone education/outreach and dissemination of ozone forecast.	William F. Conway	On-going	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
2. Support Statewide efforts	The county will support the efforts of SCDHEC regarding statewide reduction strategies.	On-going	On-going	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Grass Cutting	Lee County Public Works will delay cutting grass till 6 p.m. on an Ozone Action Day.	On-going	May 1, 2004	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Education	Lee County will work with school Districts to educate the children about ozone reduction	On-going	Sept. 1, 2004	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Ozone reduction	Lee County is actively searching for new and better ways to reduce ozone emission that will be suitable for Lee County	On-going	January 1, 2004	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Media	Utilize local media for education/outreach activities, ozone forecast, PSA's, etc.		October 1, 2003	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
<p>Comments:</p> <p>1. December 2004 - SC EAC SIP - activity not quantified for several reasons (first) in accordance with EAC Protocol, after all adopted Federal and State controls were accounted for in the modeling, it was determined that local controls were not necessary to demonstrate attainment of the 8-hour ozone standard. Measures were submitted by the local areas to show their continued support and commitment to the EAC process. (second) this activity is directionally sound and should provide air quality benefits and in some cases measurable results. The progress toward implementing this activity and the benefits derived will be documented as a part of the ongoing reporting requirements.</p> <p>2. December 2003 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac.html - additional information provided by the county to include "findings", "advantages/disadvantages", "recommendations", "costs", etc....</p> <p>3. March 2004 - Local Early Action Plan - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0304.asp</p> <p>4. June 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0604.asp</p> <p>5. December 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_1204.asp</p> <p>6. December 2004 - SC EAC SIP - Including Appendix 8 (Local Early Action Plans and the Air Quality Awareness and Improvement Policy) and Appendix 16 (County Level Emission Reductions and Descriptions for the Ozone EAC Areas)- See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>7. April 20, 2005 - Correspondence to Mr. Palmer including clarifying supplemental information to the EAC SIP submittal of December 2004. - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>8. June 2005 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0605.asp</p>							

A. Control Measure under Consideration	B. Summary Description of Measure	C. Program/Measure Status	D. Specific Implementation Date	E. VOC Reduction	F. NOx Reduction	G. Resources (FTE's, \$\$)	H. Additional Information
Santee-Lynches, SC (Designated - Attainment)							
<p align="center">SUMTER COUNTY</p> <p align="center">Based on stakeholder consultation and taking into consideration resource and political constraints, the following emission reduction strategies remain under consideration. The County will continue to evaluate the air quality within the county and may implement one or more of the following measures under consideration.</p>							
1. Air Quality Contact	One person will be identified as the Air Quality Contact. At a minimum, this contact will be responsible for ozone education/outreach and dissemination of ozone forecast.	On-going	On-going	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
2. Support Statewide efforts	The county will support the efforts of SCDHEC regarding statewide reduction strategies.	On-going	On-going	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Fleet management	Sumter County and City governments will consider purchase of alternative fueled or more fuel efficient vehicles when buying replacement	On-going	On-going	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Alternative fuels	Sumter County and City governments will seek the latest information on low emission fuels for use in fleet vehicles	On-going		n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Education	Air Quality Contact will promote use of "Action for a Cleaner Tomorrow" curriculum with Districts 17 and 2	On-going	March 2004	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Education	Air Quality Contact will develop list of speakers to make presentation on ozone reduction strategies	On-going	April 2004	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Idle time reduction	County and City will develop education program to reduce idling time of fleet vehicles	On-going	April 2004	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Varied maintenance hours	Cty. Dept. of Public Works will schedule maintenance activities to avoid peak time emissions during ozone alerts	On-going	April 2004	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Tree ordinance	Strengthen existing tree ordinance to protect existing trees in new developments	On-going		n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Ozone alert notification	Develop system to notify county and city government agencies of ozone alert days and encourage implementation of strategies	On-going	April 2004	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Tree Planting	Sumter Soil and Water Conservation District will provide technical assistance in planting/replanting 500 acres in trees per year	On-going	On-going	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Development model	Sumter Cty. Development Board will continue to support mixed use developments	On-going	On-going	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Alternative transportation modes	Support construction of pedestrian and bicycle paths when new roadways are built or improved	On-going	April 2004	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Tree Planting	Continue activities necessary to remain a certified "Tree City"	On-going	On-going	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
<p>Comments:</p> <p>1. December 2004 - SC EAC SIP - activity not quantified for several reasons (first) in accordance with EAC Protocol, after all adopted Federal and State controls were accounted for in the modeling, it was determined that local controls were not necessary to demonstrate attainment of the 8-hour ozone standard. Measures were submitted by the local areas to show their continued support and commitment to the EAC process. (second) this activity is directionally sound and should provide air quality benefits and in some cases measurable results. The progress toward implementing this activity and the benefits derived will be documented as a part of the ongoing reporting requirements.</p> <p>2. December 2003 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac.html - additional information provided by the county to include "findings", "advantages/disadvantages", "recommendations", "costs", etc....</p> <p>3. March 2004 - Local Early Action Plan - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0304.asp</p> <p>4. June 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0604.asp</p> <p>5. December 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_1204.asp</p> <p>6. December 2004 - SC EAC SIP - Including Appendix 8 (Local Early Action Plans and the Air Quality Awareness and Improvement Policy) and Appendix 16 (County Level Emission Reductions and Descriptions for the Ozone EAC Areas) - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>7. April 20, 2005 - Correspondence to Mr. Palmer including clarifying supplemental information to the EAC SIP submittal of December 2004. - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>8. June 2005 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0605.asp</p>							

Attachment 6

Berkeley-Charleston-Dorchester Area

December 2005 EAC Progress Reports



A. Control Measure under Consideration	B. Summary Description of Measure	C. Program/Measure Status	D. Specific Implementation Date	E. VOC Reduction	F. NOx Reduction	G. Resources (FTE's, \$\$)	H. Additional Information
B-C-D, SC (Designated - Attainment)							
<p style="text-align: center;">BERKELEY COUNTY</p> <p style="text-align: center;">Based on stakeholder consultation and taking into consideration resource and political constraints, the following emission reduction strategies remain under consideration. The County will continue to evaluate the air quality within the county and may implement one or more of the following measures under consideration.</p>							
Awareness	Joined and currently participate in the SC Early Action Plan for 8-hour ozone standard	ongoing	Dec-02	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Awareness	Meet with SCDHEC staff and County staff to collect and disseminate information including ideas and suggestions that will attempt to maintain current attainment for County. Forwarded information to municipalities, the Water and Sanitation Authority and the School District within the County.	have not had any meetings in 2005	June and October 2003, February 2004	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Awareness	Information for public available with applicable web links on the County's website	ongoing	Jun-03	n/a directionally sound	n/a directionally sound	n/a	
Awareness - Energy	Current policy of turning off lights, computers and HVAC units daily of County equipment in accordance with Energy Management Guidelines.	ongoing	Jun-03	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Awareness - Energy	Best management practices in accordance with Energy Management Guidelines (HVAC control systems)	ongoing	On-going	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Awareness - Energy	Provide literature to County employees on how individually, people can improve air quality	ongoing	Spring, Fall 2005	n/a directionally sound	n/a directionally sound	n/a	
Ozone Action Coordinator	Designated County staff person responsible for ozone education/outreach and dissemination of ozone standard.	ongoing	Mar-03	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Land Use	Zoning ordinance requires landscaped buffers between unlike uses, including trees and shrubs	ongoing; new buffer implemented August 2005 between new lot lines and public roads and nation forest.	Aug-01	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Land Use	Endorse cooperative initiative between County, Conservation District and Conservation Trust of "Greenspace Initiative" that promotes the protection and conservation of recommended areas on a strictly voluntary basis.	ongoing	Sep-00	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Conservation	Implement "Greenspace Initiative"; promote the protection and conservation of properties in accordance with the plan established in September 2000. Currently, 44% of the County is "green/blue space" (33% land, 11% water) in conservation.	ongoing	Sep-00	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Land Use	Encourage the development of non polluting industries	ongoing	On-going	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Conservation	Promote and encourage increased activity of recycling goods (plastics, metal, glass, etc.) through the Berkeley County Water & Sanitation Authority	ongoing	On-going	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Conservation	Berkeley County Water & Sanitation Authority actively involved in composting and educational programs for backyard composting.	ongoing	On-going	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Conservation	Berkeley County Water & Sanitation Authority installed passive gas vents during the closure of the County's "Pre-Subtitle D Landfill".		Prior to 2004	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Mobile Sources	Replaced gasoline golf cart with electric model.	will continue to consider regarding costs	June 24, 2005	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Mobile Sources	Purchased two replacement vehicles for Sheriff's department with Flex Fuel (ethanol mixture or regular fuel) alternative.		Feb-04	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Mobile Sources	Operate on scheduled maintenance of vehicles to ensure best management practices are being utilized to decrease the buildup of pollutants in engines.	ongoing	On-going	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Mobile Sources	Support staggered work schedules to mitigate commuter traffic congestion and provide citizen service	ongoing	On-going	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Awareness - Energy	Purchase "Green Power"	will consider when reasonably cost effective	When reasonably cost effective	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Awareness - Energy	Participate in "Rebuild South Carolina" (County has participated in the past)	will consider when reasonably cost effective	When reasonably cost effective	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Awareness- Energy	Install solar heat system in new County facilities or those to be renovated.	will consider when reasonably cost effective	When reasonably cost effective	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Mobile Sources	Consider continued replacement of gasoline golf carts with electric golf carts (current concern is payload capacity)	will consider when reasonably cost effective	When reasonably cost effective	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Mobile Sources	Consider purchase of hybrid vehicles for departments that primarily utilize their vehicles for traveling on highways.	will consider when reasonably cost effective AND availability allows	When reasonably cost effective	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Mobile Sources	Support development of park and ride facilities within the tri-county region	will consider when reasonably cost effective	When reasonably cost effective	n/a directionally sound	n/a directionally sound	n/a	See Comment #3

A. Control Measure under Consideration	B. Summary Description of Measure	C. Program/Measure Status	D. Specific Implementation Date	E. VOC Reduction	F. NOx Reduction	G. Resources (FTE's, \$\$)	H. Additional Information
Conservation	Extending current pilot program for the installation of flares (to burn and neutralize any potentially harmful emissions) at the closed "Pre-Subtitle D Landfill" and if successful, additional flares will be purchased and installed.	ongoing	When program is determined and reasonably cost effective for expansion of program	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Conservation	Berkeley County Water & Sanitation Authority in preliminary planning stages of long range program for the installation of a landfill gas extraction system including a gas to energy (LFGTE) facility which would also help minimize potentially harmful emissions at its operational municipal solid waste landfill.	ongoing	When reasonably cost effective	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Comments: 1. December 2004 - SC EAC SIP - activity not quantified for several reasons (first) in accordance with EAC Protocol, after all adopted Federal and State controls were accounted for in the modeling, it was determined that local controls were not necessary to demonstrate attainment of the 8-hour ozone standard. Measures were submitted by the local areas to show their continued support and commitment to the EAC process. (second) this activity is directionally sound and should provide air quality benefits and in some cases measurable results. The progress toward implementing this activity and the benefits derived will be documented as a part of the ongoing reporting requirements. 2. December 2003 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac.html - additional information provided by the county to include "findings", "advantages/disadvantages", "recommendations", "costs", etc.... 3. March 2004 - Local Early Action Plan - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0304.asp 4. June 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0604.asp 5. December 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_1204.asp 6. December 2004 - SC EAC SIP - Including Appendix 8 (Local Early Action Plans and the Air Quality Awareness and Improvement Policy) and Appendix 16 (County Level Emission Reductions and Descriptions for the Ozone EAC Areas) - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html 7. April 20, 2005 - Correspondence to Mr. Palmer including clarifying supplemental information to the EAC SIP submittal of December 2004. - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html 8. June 2005 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0605.asp							

A. Control Measure under Consideration	B. Summary Description of Measure	C. Program/Measure Status	D. Specific Implementation Date	E. VOC Reduction	F. NOx Reduction	G. Resources (FTE's, \$\$)	H. Additional Information
CHARLESTON COUNTY Based on stakeholder consultation and taking into consideration resource and political constraints, the following emission reduction strategies remain under consideration. The County will continue to evaluate the air quality within the county and may implement one or more of the following measures under consideration.							
Appoint an Ozone Action Coordinator to alert media and public on high ozone days.	Larry Hodge, Risk Manager, will monitor DHEC website, and coordinate with County Public Information Office to notify county departments when local levels are elevated; and with Radio Communication Manager to alert field employees. (Note: currently DHEC does not do forecasts for the Lowcountry.) Information also will be included on County website, for public access. When DHEC alerts are available for this area, PIO will coordinate media notifications. Ozone action alerts will be posted to the Amber Alert System, if local levels reach the warning or action stage.		On-going beginning with 2003 Forecast Season	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Add Ozone Alert to Emergency Information on County website.	Public Information Office has added Ozone Danger information to Emergency Information section of County web-site (www.charlestoncounty.org). Information links to DHEC Spare the Air Ozone Forecast and to EPA informational sites. Ozone reduction measures and information are included.		2003 Forecast Season - completed	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Increase opportunity for residents and businesses to conduct electronic transactions with the county, eliminating drive time.	The county website allows residents to conduct a great deal of County business on-line, thus eliminating vehicle trips to County office locations. E-business opportunities are being expanded constantly.		On-going	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Promulgate list of strategies to local government entities.	The County will share its strategies with local government entities within the county to promote regional efforts and encourage similar actions at the municipal level		FY 2004	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Develop and implement an ozone public education plan.	Charleston County, through its Public Information Office and Safety and Risk Management Office, will develop a comprehensive public information campaign related to health impacts of ground-level ozone, and strategies to reduce ozone producing emissions. This will address best driving practices, fueling, vehicle maintenance, lawn mowing, consumer education and other measures. If funding or private partnerships are identified, programs to test gas caps and provide replacements, or others, will be implemented. Information will be disseminated through newsletters, website, public service announcements and public events.	Distributed material made available by SCDHEC related to October Fall Car Care Month. Material provided to County employees, and to the public at the information desk of the Public Services Building. Issued a press release on ways in which the County is conserving fuel. Measures included cutting back on mowing, four-day work weeks to eliminate a commute, eliminating home garaging, etc. The County also has added SCDOT Traffic Cams to its internet (www.charlestoncounty.org) and intranet sites, to help the public and employees avoid traffic delays.	On-going beginning FY2004	n/a directionally sound	n/a directionally sound	n/a	
Expand use of hybrid cars.	Charleston County currently has one hybrid car in its fleet, a Honda Civic used by the Solicitor (1.3-liter 4-cylinder gasoline engine with a 10-kilowatt electric motor). Fuel efficiency is estimated at 46/51 city/highway miles per gallon. As funding allows, additional hybrid vehicles will be added to the fleet where use and mileage history provide a suitable fit. It is recognized such replacement would impact four cost centers: replacement, training, shop equipment and operating (parts) costs. Implementation will be dependent on commitment to and availability of funding.	For FY 2006 one additional hybrid mid-size sedan is budgeted. A barrier to growing our hybrid fleet is limited availability and omission of these vehicles on state procurement contracts. Discussions for FY07 budget include option to purchase hybrids for all mid-size replacements.	FY2005 and on-going	n/a directionally sound	n/a directionally sound	n/a	
Implement criteria to evaluate departmental vehicle requests.	Charleston County has developed criteria to evaluate vehicle requests, which include consideration of miles driven, and industry standards based on user requirements. The goal is to 'right-size' the county fleet, considering both the number of vehicles and the size and/or type of vehicle.	Criteria is in place. Being utilized to evaluate requests for FY07. For FY06, 'pools' of multi-user vehicles are replacing individually assigned vehicles; and home garaging is being eliminated.	FY2005 and on-going	n/a directionally sound	n/a directionally sound	n/a	
Include vehicle fuel economy and emission ratings in procurement	Fuel efficiency and emission ratings are included in specifications for procurement of vehicles.		On-going	n/a directionally sound	n/a directionally sound	n/a	
Purchase vehicles and light trucks to meet new EPA standards on emissions.	The EPA has announced more protective tailpipe emission standards for all passenger vehicles, including sport utility vehicles, vans and pick-up trucks. The agency also has developed lower standards for sulfur in gasoline which will require passenger vehicles to be significantly cleaner. Both take effect beginning in 2004. Charleston County will comply with the new standards as they are phased in and as we replace vehicles.	Fleet focus is on flexible-fuel vehicles, to be staged to use ethanol when available (see below).	Phased in over five year period	n/a directionally sound	n/a directionally sound	n/a	
Purchase replacement diesel heavy-duty highway trucks, as needed, which comply with most recent EPA standards for PM and NOx emissions, and which utilize low sulfur diesel fuel.	The EPA has developed heavy-duty engine and vehicle emission standards and highway diesel fuel sulfur control requirements which will take effect with the vehicle model year 2007. As funding is available, and as replacements are needed, Charleston County will comply with the EPA requirements		Phased in as EPA requirements become effective and vehicles to meet them are available.	n/a directionally sound	n/a directionally sound	n/a	
To meet EPA requirements, convert to use of low-sulfur gasoline.	It is recognized that sulfur provides lubricity for engine operation and that low-sulfur gasolines currently cannot be used effectively fleet-wide. As low-sulfur fuel is available locally, and we acquire vehicles with the technology to utilize it, we will add or convert tanks and pumps to supply it to our fleet. Cost impacts will be factored in to any implementation plan		Phased in over five year period	n/a directionally sound	n/a directionally sound	n/a	
Consider pilot/test of bio-diesel fuel for limited vehicle use.	In conjunction with area fleets and diesel users (ex.: CARTA, school district), County fleet staff may test a B20 bio-diesel fuel in designated vehicles. A tank for joint use would be established in the Azalea Road area, filled by a local supplier with a soy-diesel mix. Cost subsidies are being investigated to promote this project. It is recognized that bio-diesel fuels increase lubricity and engine efficiency; and also lower particulate matter although increasing NOx emissions.	Attended SC Biofuels Showcase in November 2005; Fleet managers now putting together a proposal to use ethanol in our flex-fuel vehicles, and bio-diesel in our diesel engines. Barriers are lack of funding for tank infrastructure, and lack of availability in our area of suppliers of these fuels.	FY 05 or later; timeline dependent on cost subsidies	n/a directionally sound	n/a directionally sound	n/a	
Develop Best Practices for driving and fleet fueling.	Working with involved departments, staff will formulate Best Operational Practices for driving and fueling County fleet. While these may be related to ozone reduction, they would be applicable throughout the year. They would encourage fueling early or late, limiting idling, frequent tire pressure checks, driving at the speed limit, no topping off gas tank, etc. Department heads would incorporate BOPs into operating procedures to the extent feasible		FY2004	n/a directionally sound	n/a directionally sound	n/a	

A. Control Measure under Consideration	B. Summary Description of Measure	C. Program/Measure Status	D. Specific Implementation Date	E. VOC Reduction	F. NOx Reduction	G. Resources (FTE's, \$\$)	H. Additional Information
Addressing public transit options, pedestrian and bike lanes and other planning strategies in comprehensive land-use planning.	Charleston County has adopted a comprehensive land use plan, which is updated every five years. As appropriate, this plan encourages the development of mass transit opportunities, trip reduction, alternative transportation methods and mixed-use communities.	Related to the Charleston County Transportation Sales Tax (1/2 cent), the Transportation and Greenbelt Advisory Boards have completed public input phases, and released feedback reports. (Reports can be accessed through the county website: www.charlestoncounty.org .) Both boards found a high interest in walking and biking trails. These boards recommend spending plans for the \$1.3 billion to be collected over 25 years for transportation, greenbelt and public transit. In addition, the Charleston Area Regional Transportation Authority (CARTA) has used the first infusion of Sales Tax money to purchase smaller buses for local routes, and has increased the number of routes. Ridership has increased significantly. The CARTA Board now is contracting for park/ride spaces to increase convenience for commuting.	Ongoing	n/a directionally sound	n/a directionally sound	n/a	
Modify lawn maintenance practices to discourage use of gas-powered engines during high ozone hours; and develop department guidelines to replace two-cycle small engines with four-cycle engine small equipment.	Charleston County will take measures to modify lawn maintenance practices and utilization of small engine equipment so as to limit ozone-producing emissions. Most County lawn maintenance is under private contract. The RFP will be amended to include clean air practices during the next bidding cycle. Many departments maintain small engine equipment for specific purposes. Two-cycle equipment will be replaced with four-cycle when practical.		Phased in over five years	n/a directionally sound	n/a directionally sound	n/a	
Employ building energy conservation measures.	With the use of technology, Charleston County's Facilities Management team currently employs energy conservation measures at its high use facilities (the Public Services Building, Judicial Center, County Office Building, Charleston Center, Main Library, and the Historic Courthouse) by scheduling down time of utilities when unoccupied or reducing utility services when not required. This program will be expanded to include all Regional Libraries and any new large facilities coming on line. We are currently installing an HVAC control system in the Otranto Regional Library. Also the new Johns Island Regional Library will have this capability when construction is completed. Where ever possible, new energy efficient light bulbs (T-8s and low pressure sodium) are being used. Energy audits will be conducted for our large facilities either in-house or by contract. We will use premium efficient components when replacement parts are required for condensers, compressors, hot water heaters, motors, etc.		FY2004 and ongoing	n/a directionally sound	n/a directionally sound	n/a	
Study and implement flex hours.	Charleston County will investigate opportunities to expand the practice of flexible hours, which is currently utilized by some departments. This would reduce traffic congestion and vehicle emissions created by all employees arriving and leaving at the same time.	The final report of the independent Charleston County Commission on Management, Accountability and Performance, released in August 2005, recommended increased use of flex time as a way to extend public service hours and improve employee working environment. In response, both the Business License and Human Resources departments have implemented flex-time schedules, thus 'growing' the number of County offices utilizing this tool.	On-going, beginning FY2004	n/a directionally sound	n/a directionally sound	n/a	
Encourage walking, biking, car-pooling	Bike racks will be installed where biking is safe and space allows around county buildings. As part of the ozone education program, employees will be encouraged to walk or bike to work, and/or to look for safe opportunities to ride-share or car-pool.	Our in-house survey of carpooling interest continues on the intranet. To date, there have been 55 responses. Respondants are matched by area, and encouraged to carpool. The County Wellness Committee is studying criteria for the Best Workplace for Commuters (EPA program) designation, to propose for budget consideration for FY07.	FY 2005 and on-going with education program	n/a directionally sound	n/a directionally sound	n/a	
Formation of regional stakeholders group.	Charleston County is meeting with BCD Council of Governments, Berkeley and Dorchester Counties, urban and rural transportation authorities, Clemson Extension, MUSC, school districts, area industry, environmental groups and others. Ongoing discussions center on education, transportation, intermodal/alternative transportation strategies, advanced technology vehicles, alternative fuels, car-pooling and use of public transit, development of park and ride facilities to complement public transit routes, etc. This group continues to evolve and grow. We have met on the following dates: July 24, August 14, September 18 and November 13. in 2003; and February 26 in 2004.	The regional stakeholder group has not met during this period. However, the in-house planning group continues to meet to plan implementation of our strategies to fulfill our requirements. Current focus is on an expanded hybrid fleet, use of clean fuels, and reducing fleet size and emissions.	On-going, beginning FY2004	n/a directionally sound	n/a directionally sound	n/a	
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B-C-D, SC (Designated - Attainment)							
<p align="center">DORCHESTER COUNTY</p> <p>Based on stakeholder consultation and taking into consideration resource and political constraints, the following emission reduction strategies remain under consideration. The County will continue to evaluate the air quality within the county and may implement one or more of the following measures under consideration.</p>							
Stakeholders Groups	Continue with Local and Regional Stakeholders Groups to remain current with citizen concerns and who may be experimenting with new ozone technology developments	Shareholder groups have not met this period.	These programs have been in existence since April 2003.	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
CHATS support.	The Charleston Area Transportation Study Group continues to establish SCDOT priorities for the Tri-county area. Dorchester County will continue to support those programs to reduce ozone. e.g. Mass Transit initiatives, "Park & Ride" programs, more "walk and bike trails" and initiatives that promotes car pooling.	Charleston Area Transportation System CHATS support continues.	CHATS has been active for over a decade. It is not likely to change in the immediate future.	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Government sets the example.	Study to promote more telecommute positions, provide incentives for car pooling when assigning parking spaces. Stagger work hours for employees to avoid rush hour traffic. Continue with flex-work schedules and 4 day work week. Establish policies to encourage pooling of lunch orders from same vender. Study County owned vehicle schedule to shuttle personnel between upper and lower county. Promote high-bred "alternative fuel" vehicles i.e. electric, bio-diesel, LP gas, ethanol etc. for vehicle fleet operations.	County programs and future ordinances are geared to consider new ozone standards.	This measure is an attempt to modify regulations and behavior over a period of time. Some of these practices have already been adopted.	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Solicit the schools to help in the education process.	There are short courses available to be introduced into the syllabus to discuss health hazards and other dangers of ground level ozone. Request Journalism students and/or English students to write articles about the dangers of ozone to be published in the local newspapers. Students encouraged to produce Educational video for television discussing the ozone issues.	Schools have ozone curriculum available when needed	This program will be initiated when EPA designates Dorchester County as borderline attainment	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Schools to review existing policies.	Student Transportation policy to be reviewed: more sidewalks and fewer parking spaces. Driving privileges for those students making grades. Assigned parking for only those students with exceptional need to drive. Minimal fee should be charged for cost of security cameras and police personnel in the parking areas. All others must use bus. Construction of schools will include sidewalks and bike trails on all major arteries within a mile radius of the school. Establish rules for vehicle idle times for those waiting for students to be released. (Parents vehicles and busses.)	Schools consider reduced ozone standards when developing new policies.	This program will be initiated when EPA designates Dorchester County as borderline attainment	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Educate the Public as to "What is OZONE?"	TV News and Meteorologists will broadcast existing and forecast Ozone conditions. In addition, they will provide recommendations for their audience similar to their current hurricane readiness announcements.		This program is scheduled to start in May 2004.	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Educate the Public as to "What is OZONE?"	An OZONE tent will become a part of the festivals and fairs in the local area to pass out brochures and tracts about ozone. Various contests and prizes can be awarded to stimulate interest.	Control programs to educate the Public will be initiated when conditions warrant. As a note of interest, Dorchester County residents continue to benefit from the public service announcements (Public Education) pertaining to Ozone from the local TV weatherman broadcast from Charleston County.	This program will be initiated when EPA designates Dorchester County as borderline attainment.	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Educate the Public as to "What is OZONE?"	A traveling lecturer will visit hospitals, Nursing Homes, Senior Citizen Centers to educate those who are most at-risk. Recommend minimum outdoor activity during periods of high ozone.	Control programs to educate the Public will be initiated when conditions warrant. As a note of interest, Dorchester County residents continue to benefit from the public service announcements (Public Education) pertaining to Ozone from the local TV weatherman broadcast from Charleston County.	This program will be initiated when EPA designates Dorchester County as borderline attainment.	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Educate the Public as to "What is OZONE?"	Publish brochure of house-hold tips to reduce ozone. Schedule mowing and fueling vehicles in early morning or late afternoon to avoid the high ozone period. Select electric operated equipment and avoid gas operated landscape equipment.	Control programs to educate the Public will be initiated when conditions warrant. As a note of interest, Dorchester County residents continue to benefit from the public service announcements (Public Education) pertaining to Ozone from the local TV weatherman broadcast from Charleston County.	This program will be initiated when EPA designates Dorchester County as borderline attainment.	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Planning for future green spaces.	Tree and Landscape Ordinances should encourage use of more deciduous shade trees and fewer pine trees. SC DOT should be required to provide landscaped medians. Industrial developers should be required to provide a landscape plan for the entire site. Commercial builders should landscape parking lots and entrances. Residential builders should avoid strip clearing and have a minimum landscape requirement for treed streets, landscaped entrances and a minimum landscape requirement for each lot.	New Planning & Zoning Ordinances consider reduced ozone standards.	Some of these programs are currently in existence. We can do better	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Planning for a future with fewer vehicles.	Communities are planned with a grocery/drug/hardware stores within walking distance from homes. Promote mixed zoning, i.e. stores with residential spaces on the upper floors. Encourage more sidewalks and bike trails. Cluster development, Smart Growth, PUD's, mass transit, energy efficient building materials, fuel efficient vehicles, should be encouraged.	New Planning & Zoning Ordinances consider reduced ozone standards.	Comprehensive Plan for Government agencies already includes these ideas. Promote adoption of these ideas in future ordinances.	n/a directionally sound	n/a directionally sound	n/a	See Comment #3

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Attachment 7

Low Country Area

December 2005 EAC Progress Reports

December 2005



A. Control Measure under Consideration	B. Summary Description of Measure	C. Program/Measure Status	D. Specific Implementation Date	E. VOC Reduction	F. NOx Reduction	G. Resources (FTE's, \$\$)	H. Additional Information
Low Country, SC (Designated - Attainment)							
BEAUFORT COUNTY							
Based on stakeholder consultation and taking into consideration resource and political constraints, the following emission reduction strategies remain under consideration. The County will continue to evaluate the air quality within the county and may implement one or more of the following measures under consideration.							
1. Air Quality Contact	One person will be identified as the Air Quality Contact. At a minimum, this contact will be responsible for ozone education/outreach and dissemination of ozone forecast.	The person has been designated and is a member of County Planning staff.	On-going	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
2. Support Statewide efforts	The County will support the efforts of SCDHEC regarding statewide reduction strategies.	The County will assist however possible and when contacted.	On-going	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
3. Local efforts	The County, as part of its regional planning process, has and will address methods to alleviate or ameliorate ground level ozone by utilizing vegetation protection and landscaping requirements in the ZDSO for development projects.	The Southern Regional Plan has addressed; the Northern Regional plan will address it and the ZDSO requires this at different levels.	On-going	n/a directionally sound	n/a directionally sound	n/a	
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A. Control Measure under Consideration	B. Summary Description of Measure	C. Program/Measure Status	D. Specific Implementation Date	E. VOC Reduction	F. NOx Reduction	G. Resources (FTE's, \$\$)	H. Additional Information
Low Country, SC (Designated - Attainment)							
<p align="center">COLLETON COUNTY</p> <p>Based on stakeholder consultation and taking into consideration resource and political constraints, the following emission reduction strategies remain under consideration. The County will continue to evaluate the air quality within the county and may implement one or more of the following measures under consideration.</p>							
Air Quality Contact	One person will be identified as the Air Quality Contact for Aiken County. At a minimum, this contact will be responsible for ozone education/outreach and dissemination of ozone forecast. Each participating industry and municipality will also have an Air Quality Contact	On-going	Mar-03	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Support state-wide efforts	Colleton County will support the efforts of SC DHEC regarding state-wide emission reduction strategies.	On-going	when available	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Gas Can Exchange	Promote using spill-proof gas cans to improve air quality	On-going	May-04	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Consumer Ozone Reduction Strategies	Develop detailed consumer/citizen actions that will promote the reduction of emissions in Colleton County.	On-going	Oct-04	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Community Awareness and Education	Survey the community and Industry as to their knowledge of the effects of ground level ozone then follow through with Ozone level awareness and emission reduction strategies.	On-going	Apr-04	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Industry Ozone Reduction Strategies	One person will be identified as the Air Quality Contact for Aiken County. At a minimum, this contact will be responsible for ozone education/outreach and dissemination of ozone forecast. Each participating industry and municipality will also have an Ai	On-going	Oct-04	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Emission reduction Agreement	Develop an emission reduction agreement with local industry.	On-going	Mar-05	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
<p>Comments:</p> <p>1. December 2004 - SC EAC SIP - activity not quantified for several reasons (first) in accordance with EAC Protocol, after all adopted Federal and State controls were accounted for in the modeling, it was determined that local controls were not necessary to demonstrate attainment of the 8-hour ozone standard. Measures were submitted by the local areas to show their continued support and commitment to the EAC process. (second) this activity is directionally sound and should provide air quality benefits and in some cases measurable results. The progress toward implementing this activity and the benefits derived will be documented as a part of the ongoing reporting requirements.</p> <p>2. December 2003 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac.html - additional information provided by the county to include "findings", "advantages/disadvantages", "recommendations", "costs", etc....</p> <p>3. March 2004 - Local Early Action Plan - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0304.asp</p> <p>4. June 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0604.asp</p> <p>5. December 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_1204.asp</p> <p>6. December 2004 - SC EAC SIP - Including Appendix 8 (Local Early Action Plans and the Air Quality Awareness and Improvement Policy) and Appendix 16 (County Level Emission Reductions and Descriptions for the Ozone EAC Areas) - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>7. April 20, 2005 - Correspondence to Mr. Palmer including clarifying supplemental information to the EAC SIP submittal of December 2004. - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>8. June 2005 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0605.asp</p>							

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Low Country, SC (Designated - Attainment)							
<p style="text-align: center;">HAMPTON COUNTY</p> <p style="text-align: center;">Based on stakeholder consultation and taking into consideration resource and political constraints, the following emission reduction strategies remain under consideration. The County will continue to evaluate the air quality within the county and may implement one or more of the following measures under consideration.</p>							
1. Air Quality Contact	One person will be identified as the Air Quality Contact. At a minimum, this contact will be responsible for ozone education/outreach and dissemination of ozone forecast.	On-going	On-going	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
2. Support Statewide efforts	The county will support the efforts of SCDHEC regarding statewide reduction strategies.	On-going	On-going	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
<p>Comments:</p> <p>1. December 2004 - SC EAC SIP - activity not quantified for several reasons (first) in accordance with EAC Protocol, after all adopted Federal and State controls were accounted for in the modeling, it was determined that local controls were not necessary to demonstrate attainment of the 8-hour ozone standard. Measures were submitted by the local areas to show their continued support and commitment to the EAC process. (second) this activity is directionally sound and should provide air quality benefits and in some cases measurable results. The progress toward implementing this activity and the benefits derived will be documented as a part of the ongoing reporting requirements.</p> <p>2. December 2003 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac.html - additional information provided by the county to include "findings", "advantages/disadvantages", "recommendations", "costs", etc....</p> <p>3. March 2004 - Local Early Action Plan - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0304.asp</p> <p>4. June 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0604.asp</p> <p>5. December 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_1204.asp</p> <p>6. December 2004 - SC EAC SIP - Including Appendix 8 (Local Early Action Plans and the Air Quality Awareness and Improvement Policy) and Appendix 16 (County Level Emission Reductions and Descriptions for the Ozone EAC Areas)- See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>7. April 20, 2005 - Correspondence to Mr. Palmer including clarifying supplemental information to the EAC SIP submittal of December 2004. - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>8. June 2005 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0605.asp</p>							

A. Control Measure under Consideration	B. Summary Description of Measure	C. Program/Measure Status	D. Specific Implementation Date	E. VOC Reduction	F. NOx Reduction	G. Resources (FTE's, \$\$)	H. Additional Information
Low Country, SC (Designated - Attainment)							
<p style="text-align: center;">JASPER COUNTY</p> <p style="text-align: center;">Based on stakeholder consultation and taking into consideration resource and political constraints, the following emission reduction strategies remain under consideration. The County will continue to evaluate the air quality within the county and may implement one or more of the following measures under consideration.</p>							
1. Air Quality Contact	One person will be identified as the Air Quality Contact. At a minimum, this contact will be responsible for ozone education/outreach and dissemination of ozone forecast.		On-going	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
2. Support Statewide efforts	The county will support the efforts of SCDHEC regarding statewide reduction strategies.		On-going	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
3. ADDITIONAL MEASURE: Monitor air quality impact	County will continue to monitor all proposed and existing projects for possible air quality impacts.	On-going		n/a directionally sound	n/a directionally sound	n/a	
4. ADDITIONAL MEASURE: 4-day work week	County considering 4-day work week to reduce gasoline/fuel consumption	On-going		n/a directionally sound	n/a directionally sound	n/a	
<p>Comments:</p> <p>1. December 2004 - SC EAC SIP - activity not quantified for several reasons (first) in accordance with EAC Protocol, after all adopted Federal and State controls were accounted for in the modeling, it was determined that local controls were not necessary to demonstrate attainment of the 8-hour ozone standard. Measures were submitted by the local areas to show their continued support and commitment to the EAC process. (second) this activity is directionally sound and should provide air quality benefits and in some cases measurable results. The progress toward implementing this activity and the benefits derived will be documented as a part of the ongoing reporting requirements.</p> <p>2. December 2003 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac.html - additional information provided by the county to include "findings", "advantages/disadvantages", "recommendations", "costs", etc....</p> <p>3. March 2004 - Local Early Action Plan - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0304.asp</p> <p>4. June 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0604.asp</p> <p>5. December 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_1204.asp</p> <p>6. December 2004 - SC EAC SIP - Including Appendix 8 (Local Early Action Plans and the Air Quality Awareness and Improvement Policy) and Appendix 16 (County Level Emission Reductions and Descriptions for the Ozone EAC Areas) - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>7. April 20, 2005 - Correspondence to Mr. Palmer including clarifying supplemental information to the EAC SIP submittal of December 2004. - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>8. June 2005 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0605.asp</p>							

Attachment 8

Lower Savannah Area

December 2005 EAC Progress Reports



A. Control Measure under Consideration	B. Summary Description of Measure	C. Program/Measure Status	D. Specific Implementation Date	E. VOC Reduction	F. NOx Reduction	G. Resources (FTE's, \$\$)	H. Additional Information
Lower Savannah, SC (Designated - Attainment)							
<p style="text-align: center;">AIKEN COUNTY</p> <p style="text-align: center;">Based on stakeholder consultation and taking into consideration resource and political constraints, the following emission reduction strategies remain under consideration. The County will continue to evaluate the air quality within the county and may implement one or more of the following measures under consideration.</p>							
Air Quality Contact	One person will be identified as the Air Quality Contact for Aiken County. At a minimum, this contact will be responsible for ozone education/outreach and dissemination of ozone forecast. Each participating industry and municipality will also have an Air Quality Contact	On-going	Mar-03	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Support state-wide efforts	Aiken County will support the efforts of SC DHEC regarding statewide emission reduction strategies.	On-going	when available	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Alternative Fuels	- Switch Aiken County Transit Fleet to Bio-diesel.	Complete	Jun-02	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Alternative Fuels	Make alternative fuels available to the citizens of Aiken County	On-going	2005	n/a directionally sound	n/a directionally sound	n/a	
Type II Fuels	Use low-sulfur Type II fuels in all vehicles	When Available in Aiken County	When Available in Aiken County	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Community Awareness and Education	Promote the Aiken County Early Action Plan at meetings where the public is invited. Issue press releases to the local media. SCE&G is promoting an energy conservation awareness program.	On-going	Jul-03	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Commuter Choice Program	Promote transit as a mode of transportation to get to the workplace through employer incentives.	On-going	May-03	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Intelligent Transportation Systems	Install ITS equipment along major routes within the urbanized portion of Aiken County that follows the guidelines of our Advanced Traffic Management System Master Plan.	When funding becomes available	Master Plan completed May 2002.	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Promote Multi-modal Land Use	Revise ordinances to promote bicycle and pedestrian facilities and establish minimum tree planting requirements.	Aiken County ordinance revision started June 2003 (effective upon County Council approval and set effective date).	effective upon County Council approval	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Open Burning Ordinance	Ban or limit open burning within city limits.	On-going	Implemented	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Mid-day Carpooling	Encourage employees to carpool to lunch.	On-going	2003	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Occupancy Sensors	Install workspace occupancy sensors to reduce energy consumption.	Complete	2003-2004	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Reflective Surfaces	Paint exposed surfaces of building with reflective paint to reduce energy consumption.	Complete	2003-2004	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
High Efficiency Equipment	Purchase Energy Star products when appropriate.	On-going	2003	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
<p>Comments:</p> <p>1. December 2004 - SC EAC SIP - activity not quantified for several reasons (first) in accordance with EAC Protocol, after all adopted Federal and State controls were accounted for in the modeling, it was determined that local controls were not necessary to demonstrate attainment of the 8-hour ozone standard. Measures were submitted by the local areas to show their continued support and commitment to the EAC process. (second) this activity is directionally sound and should provide air quality benefits and in some cases measurable results. The progress toward implementing this activity and the benefits derived will be documented as a part of the ongoing reporting requirements.</p> <p>2. December 2003 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac.html - additional information provided by the county to include "findings", "advantages/disadvantages", "recommendations", "costs", etc....</p> <p>3. March 2004 - Local Early Action Plan - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0304.asp</p> <p>4. June 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0604.asp</p> <p>5. December 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_1204.asp</p> <p>6. December 2004 - SC EAC SIP - Including Appendix 8 (Local Early Action Plans and the Air Quality Awareness and Improvement Policy) and Appendix 16 (County Level Emission Reductions and Descriptions for the Ozone EAC Areas) - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>7. April 20, 2005 - Correspondence to Mr. Palmer including clarifying supplemental information to the EAC SIP submittal of December 2004. - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>8. June 2005 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0605.asp</p>							

A. Control Measure under Consideration	B. Summary Description of Measure	C. Program/Measure Status	D. Specific Implementation Date	E. VOC Reduction	F. NOx Reduction	G. Resources (FTE's, \$\$)	H. Additional Information
Lower Savannah, SC (Designated - Attainment)							
<p style="text-align: center;">ALLENDALE COUNTY</p> <p style="text-align: center;">Based on stakeholder consultation and taking into consideration resource and political constraints, the following emission reduction strategies remain under consideration. The County will continue to evaluate the air quality within the county and may implement one or more of the following measures under consideration.</p>							
Air Quality Contact	One person will be identified as the Air Quality Contact. At a minimum, this contact will be responsible for ozone education/outreach and dissemination of ozone forecast.	on-going	Mar-03	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Support state-wide emission reduction efforts	Allendale County will support the efforts of SC DHEC regarding state-wide emission reduction strategies.	on-going	Current	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Measures taken to present	Allendale County Emergency Management Agency distributed to all county employees, information about Air Quality basics and protective measures.	on-going	March 1, 2006	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
<p>Comments:</p> <p>1. December 2004 - SC EAC SIP - activity not quantified for several reasons (first) in accordance with EAC Protocol, after all adopted Federal and State controls were accounted for in the modeling, it was determined that local controls were not necessary to demonstrate attainment of the 8-hour ozone standard. Measures were submitted by the local areas to show their continued support and commitment to the EAC process. (second) this activity is directionally sound and should provide air quality benefits and in some cases measurable results. The progress toward implementing this activity and the benefits derived will be documented as a part of the ongoing reporting requirements.</p> <p>2. December 2003 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac.html - additional information provided by the county to include "findings", "advantages/disadvantages", "recommendations", "costs", etc...</p> <p>3. March 2004 - Local Early Action Plan - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0304.asp</p> <p>4. June 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0604.asp</p> <p>5. December 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_1204.asp</p> <p>6. December 2004 - SC EAC SIP - Including Appendix 8 (Local Early Action Plans and the Air Quality Awareness and Improvement Policy) and Appendix 16 (County Level Emission Reductions and Descriptions for the Ozone EAC Areas)- See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>7. April 20, 2005 - Correspondence to Mr. Palmer including clarifying supplemental information to the EAC SIP submittal of December 2004. - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>8. June 2005 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0605.asp</p>							

A. Control Measure under Consideration	B. Summary Description of Measure	C. Program/Measure Status	D. Specific Implementation Date	E. VOC Reduction	F. NOx Reduction	G. Resources (FTE's, \$\$)	H. Additional Information
Lower Savannah, SC (Designated - Attainment)							
<p align="center">BAMBERG COUNTY</p> <p align="center">Based on stakeholder consultation and taking into consideration resource and political constraints, the following emission reduction strategies remain under consideration. The County will continue to evaluate the air quality within the county and may implement one or more of the following measures under consideration.</p>							
1. Air Quality Contact	One person will be identified as the Air Quality Contact. At a minimum, this contact will be responsible for ozone education/outreach and dissemination of ozone forecast.	on-going	On-going	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
2. Support Statewide efforts	The county will support the efforts of SCDHEC regarding statewide reduction strategies.	on-going	On-going	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
<p>Comments:</p> <p>1. December 2004 - SC EAC SIP - activity not quantified for several reasons (first) in accordance with EAC Protocol, after all adopted Federal and State controls were accounted for in the modeling, it was determined that local controls were not necessary to demonstrate attainment of the 8-hour ozone standard. Measures were submitted by the local areas to show their continued support and commitment to the EAC process. (second) this activity is directionally sound and should provide air quality benefits and in some cases measurable results. The progress toward implementing this activity and the benefits derived will be documented as a part of the ongoing reporting requirements.</p> <p>2. December 2003 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac.html - additional information provided by the county to include "findings", "advantages/disadvantages", "recommendations", "costs", etc....</p> <p>3. March 2004 - Local Early Action Plan - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0304.asp</p> <p>4. June 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0604.asp</p> <p>5. December 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_1204.asp</p> <p>6. December 2004 - SC EAC SIP - Including Appendix 8 (Local Early Action Plans and the Air Quality Awareness and Improvement Policy) and Appendix 16 (County Level Emission Reductions and Descriptions for the Ozone EAC Areas)- See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>7. April 20, 2005 - Correspondence to Mr. Palmer including clarifying supplemental information to the EAC SIP submittal of December 2004. - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>8. June 2005 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0605.asp</p>							

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Lower Savannah, SC (Designated - Attainment)							
<p align="center">BARNWELL COUNTY</p> <p>Based on stakeholder consultation and taking into consideration resource and political constraints, the following emission reduction strategies remain under consideration. The County will continue to evaluate the air quality within the county and may implement one or more of the following measures under consideration.</p>							
Air Quality Contact	During the peak Ozone months Barnwell County will have a designated Ozone Action Coordinator (OAC). His/her responsibility will be to monitor Ozone Forecast and implement Ozone Reduction Action Plan. High Ozone Alerts will be available from local television and radio news/weather broadcast and E-mail alerts from DHEC. Barnwell County will form a county ozone committee, consisting of all county department heads, to develop and implement a countywide Ozone Reduction Action Plan.	On-going	June 25, 1905	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Support state-wide efforts	Barnwell County will support the efforts of SC DHEC regarding statewide emission reduction strategies.	On-going	Ongoing Activity	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Bio-Diesel/ Alternative Fuels	Barnwell County will be seeking information on Alternative Fuels.	On-going	Not available in Barnwell County at this time	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Reduction of Idling or No-Idle Policy for County Vehicles	Department Heads will develop and implement inter-departmental plans to reduce or eliminate idling times on vehicles and ground maintenance equipment. This policy will contain stricter guidelines for use during high ozone days.	On-going	Implemented 2003	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Stricter Controls of Illegal/ Unauthorized Outdoor Burning	Barnwell County's Fire Districts, Emergency Services and Sheriff's Department will work in combination with State Agencies to develop this action. This action will focus on issues dealing with illegal burning, tires, plastics, roofing materials and hazardous substances.	On-going	Implemented 2003	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Vehicle Replacement	Barnwell County's Business Manager will develop a plan to purchase replacement vehicles with a priority on vehicles and equipment with the latest emission reduction standards. Over a five to seven year period our present fleet can be replaced with a cleaner burning and better fuel-efficient fleet.	On-going	Still under review	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Community Awareness and Education	Enhancing Ozone awareness and education will be a vital part of our Early Action Plan. Aggressive A/E programs to motivate individuals, business, industries and organization to take actions to minimize ozone pollution. A/E will include public speaking, distribution of educational materials and increased media alerts promoting Clean Air Awareness.	On-going	Implemented 2003 and Ongoing	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
<p>Comments:</p> <p>1. December 2004 - SC EAC SIP - activity not quantified for several reasons (first) in accordance with EAC Protocol, after all adopted Federal and State controls were accounted for in the modeling, it was determined that local controls were not necessary to demonstrate attainment of the 8-hour ozone standard. Measures were submitted by the local areas to show their continued support and commitment to the EAC process. (second) this activity is directionally sound and should provide air quality benefits and in some cases measurable results. The progress toward implementing this activity and the benefits derived will be documented as a part of the ongoing reporting requirements.</p> <p>2. December 2003 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac.html - additional information provided by the county to include "findings", "advantages/disadvantages", "recommendations", "costs", etc....</p> <p>3. March 2004 - Local Early Action Plan - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0304.asp</p> <p>4. June 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0604.asp</p> <p>5. December 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_1204.asp</p> <p>6. December 2004 - SC EAC SIP - Including Appendix 8 (Local Early Action Plans and the Air Quality Awareness and Improvement Policy) and Appendix 16 (County Level Emission Reductions and Descriptions for the Ozone EAC Areas) - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>7. April 20, 2005 - Correspondence to Mr. Palmer including clarifying supplemental information to the EAC SIP submittal of December 2004. - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>8. June 2005 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0605.asp</p>							

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Lower Savannah, SC (Designated - Attainment)							
CALHOUN COUNTY							
Based on stakeholder consultation and taking into consideration resource and political constraints, the following emission reduction strategies remain under consideration. The County will continue to evaluate the air quality within the county and may implement one or more of the following measures under consideration.							
Air Quality Contact	One person will be identified as the Air Quality Contact. At a minimum, this contact will be responsible for ozone education/outreach and dissemination of ozone forecast.	On-going	Mar-03	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Support state-wide efforts	Calhoun County will support the efforts of SC DHEC regarding state-wide emission reduction strategies	On-going	Aug-03	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Heavy Equipment operation	Delay/Reschedule mowing and motorized construction on Ozone Action Days.	On-going	Jul-03	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Small Engine operation	Delay/Reschedule landscaping activities with small engine use on Ozone Action Days.	On-going	Jul-03	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Fueling	Do not "top off" fuel tanks when refueling.	On-going	Jul-03	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Buildings	Have employees turn off computers and lights daily.	On-going	Jul-03	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Painting	Restrict indoor and outdoor painting on Ozone Action Days.	On-going	Jul-03	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Awareness	Promote employee education/awareness of ozone issues.	On-going	Jul-03	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Schedules	Change outside employee work hours to accommodate summer temperatures.	On-going	Jul-03	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Comments: 1. December 2004 - SC EAC SIP - activity not quantified for several reasons (first) in accordance with EAC Protocol, after all adopted Federal and State controls were accounted for in the modeling, it was determined that local controls were not necessary to demonstrate attainment of the 8-hour ozone standard. Measures were submitted by the local areas to show their continued support and commitment to the EAC process. (second) this activity is directionally sound and should provide air quality benefits and in some cases measurable results. The progress toward implementing this activity and the benefits derived will be documented as a part of the ongoing reporting requirements. 2. December 2003 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac.html - additional information provided by the county to include "findings", "advantages/disadvantages", "recommendations", "costs", etc.... 3. March 2004 - Local Early Action Plan - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0304.asp 4. June 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0604.asp 5. December 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_1204.asp 6. December 2004 - SC EAC SIP - Including Appendix 8 (Local Early Action Plans and the Air Quality Awareness and Improvement Policy) and Appendix 16 (County Level Emission Reductions and Descriptions for the Ozone EAC Areas)- See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html 7. April 20, 2005 - Correspondence to Mr. Palmer including clarifying supplemental information to the EAC SIP submittal of December 2004. - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html 8. June 2005 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0605.asp							

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Lower Savannah, SC (Designated - Attainment)							
<p align="center">ORANGEBURG COUNTY</p> <p>Based on stakeholder consultation and taking into consideration resource and political constraints, the following emission reduction strategies remain under consideration. The County will continue to evaluate the air quality within the county and may implement one or more of the following measures under consideration.</p>							
Air Quality Contact	One person has been identified as the Air Quality Contact. At a minimum, this contact will be responsible for ozone education/outreach and dissemination of ozone forecast. John H. Smith	on-going	Mar-03	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Support state-wide efforts	Orangeburg county will support the efforts of SC DHEC regarding statewide emission reduction strategies.	on-going	Ongoing	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Stakeholder development	Identify and expand the stakeholders for the successful implementation of this program. Initial contact has been made through the county's Local Emergency Planning committee (LEPC)	on-going	Jun-03	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Integrate notification procedure	Integrate the notification procedure into existing Notification procedures using organic resources of the Emergency services dept/EOC.	on-going	Jun-03	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Public education program	Utilize existing public education programs to include ozone program using organic resources of OES dept and Project Impact program	on-going	Jul-03	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Vehicle operations	Vehicle maint. Department is planning to purchase test alternative fuel vehicles, if results are good County may be able to replace 10% of fleet within Five years	on-going	May-03	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Vehicle operations tracking	County is installing GPS/vehicle monitors which Will also monitor all engine idling time and and Miles driven. Will help identify options to reduceVehicle idling and unneeded mileage	on-going	Jun-04	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
<p>Comments:</p> <p>1. December 2004 - SC EAC SIP - activity not quantified for several reasons (first) in accordance with EAC Protocol, after all adopted Federal and State controls were accounted for in the modeling, it was determined that local controls were not necessary to demonstrate attainment of the 8-hour ozone standard. Measures were submitted by the local areas to show their continued support and commitment to the EAC process. (second) this activity is directionally sound and should provide air quality benefits and in some cases measurable results. The progress toward implementing this activity and the benefits derived will be documentd as a part of the ongoing reporting requirements.</p> <p>2. December 2003 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac.html - additional information provided by the county to include "findings", "advantages/disadvantages", "recommendations", "costs", etc....</p> <p>3. March 2004 - Local Early Action Plan - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0304.asp</p> <p>4. June 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0604.asp</p> <p>5. December 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_1204.asp</p> <p>6. December 2004 - SC EAC SIP - Including Appendix 8 (Local Early Action Plans and the Air Quality Awareness and Improvement Policy) and Appendix 16 (County Level Emission Reductions and Descriptions for the Ozone EAC Areas)- See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>7. April 20, 2005 - Correspondence to Mr. Palmer including clarifying supplemental information to the EAC SIP submittal of December 2004. - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>8. June 2005 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0605.asp</p>							

Attachment 9

Central Midlands Area

December 2005 EAC Progress Reports

December 2005



A. Control Measure under Consideration	B. Summary Description of Measure	C. Program/Measure Status	D. Specific Implementation Date	E. VOC Reduction	F. NOx Reduction	G. Resources (FTE's, \$\$)	H. Additional Information
Central Midlands, SC (Designated - Attainment)							
<p style="text-align: center;">FAIRFIELD COUNTY</p> <p style="text-align: center;">Based on stakeholder consultation and taking into consideration resource and political constraints, the following emission reduction strategies remain under consideration. The County will continue to evaluate the air quality within the county and may implement one or more of the following measures under consideration.</p>							
Air Quality Contact	Ronald Stowers, Fairfield County Director of Planning, Building and Zoning Department is designated as the Air Quality Contact. At a minimum, this contact will be responsible for ozone education/outreach and dissemination of ozone forecast.	On-going	Mar-03	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Support state-wide efforts	Fairfield County will support the efforts of SC DHEC regarding state-wide emission reduction strategies.	On-going	Current	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Amendment of the Fairfield County Zoning Ordinance	Amend the Fairfield County Zoning Ordinance, Article IV, Conditional Uses, Section 4-9, Manufacturing Uses to add prescriptive requirements for reducing/or maintaining ozone levels.	On-going	Nov-03	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Amendment of the Fairfield County Zoning Ordinance	Evaluate the Fairfield County Zoning Ordinance, Article VI, Screening, Landscaping and Common Space Regulations determine adequacy of tree planting/landscaping standards to help promote strategic tree planting	On-going	Nov-03	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Amendment of the Fairfield County Zoning Ordinance	Amend the Fairfield County Zoning Ordinance, Article 3 to promote Planned Development Districts that would encourage land use planning that will help improve air quality.	On-going	Nov-03	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Awareness	Work with and provide information to the incorporated areas of Fairfield County on Land Use Planning measures that will help improve air quality.	On-going	Ongoing	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Awareness	Promote ozone education/awareness by distribution of information, including Ozone Alerts to County employees as well as to Town of Ridgeway and Town of Winnsboro.	On-going	Ongoing	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Operation and Maintenance Activities	Work with County Public Works to develop strategies to reduce activities that would effect ozone levels during Ozone Action Days	On-going	Ongoing	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
<p>Comments:</p> <p>1. December 2004 - SC EAC SIP - activity not quantified for several reasons (first) in accordance with EAC Protocol, after all adopted Federal and State controls were accounted for in the modeling, it was determined that local controls were not necessary to demonstrate attainment of the 8-hour ozone standard. Measures were submitted by the local areas to show their continued support and commitment to the EAC process. (second) this activity is directionally sound and should provide air quality benefits and in some cases measurable results. The progress toward implementing this activity and the benefits derived will be documented as a part of the ongoing reporting requirements.</p> <p>2. December 2003 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac.html - additional information provided by the county to include "findings", "advantages/disadvantages", "recommendations", "costs", etc....</p> <p>3. March 2004 - Local Early Action Plan - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0304.asp</p> <p>4. June 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0604.asp</p> <p>5. December 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_1204.asp</p> <p>6. December 2004 - SC EAC SIP - Including Appendix 8 (Local Early Action Plans and the Air Quality Awareness and Improvement Policy) and Appendix 16 (County Level Emission Reductions and Descriptions for the Ozone EAC Areas)- See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>7. April 20, 2005 - Correspondence to Mr. Palmer including clarifying supplemental information to the EAC SIP submittal of December 2004. - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>8. June 2005 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0605.asp</p>							

A. Control Measure under Consideration	B. Summary Description of Measure	C. Program/Measure Status	D. Specific Implementation Date	E. VOC Reduction	F. NOx Reduction	G. Resources (FTE's, \$\$)	H. Additional Information
11 South Carolina State Measures							
Comments: Modeling for 2007, shows attainment without including measures beyond national and regional measures already finalized.. 2012 and 2017 also shows attainment.							
11 Central Midlands, SC (Effective date of nonattainment designation deferred) - Lexington County							
Park and Ride lot at Highway 378 and I-20	The 378 and I-20, Park and Ride Lot, during the majority of 2005 year has been to capacity or greater.	Visual inspections of the 47 space park and ride lot.	on-going	1,848 lbs/year	952 lbs/year	N/A	CO reductions 7,297 lbs/year December 2004 EAC SIP - Appendix 16 See Comment 6
Conversion of Commercial Vehicle Fleet to Propane	Schwan's Home Service, Inc. will convert 11 heavy duty gasoline fuel trucks to propane.	completed	completed	1,300 lbs/year	1,638 lbs/year	N/A	CO reductions 8,244 lbs/year December 2004 EAC SIP - Appendix 16 See Comment 6
Gas Can Exchange Events	1. Co-sponsor with Richland County and SCDHEC 2 gas can exchange events located at the former Bush River Mall and at the Sandhills Research/Education Center	A total of 290 old gas cans exchanged for new environmentally safe cans.	The events were held on June 5, 2004 and October 16, 2004	411.68 lbs/year		Michelin donated cans for both events	
School Bus Retrofit Project	Approximately 28 diesel buses will be retrofitted particulate filters during 2006. (additional reductions of PM are also expected)		2006	476 lbs/year	N/A	N/A	CO reductions 3,332 lbs/year December 2004 EAC SIP - Appendix 16 See Comment 6
LEXINGTON COUNTY							
Based on stakeholder consultation and taking into consideration resource and political constrains, the following control measures are under consideration pending modeling that demonstrates compliance in 2007 by SCDHEC.							
Air Quality Awareness and Improvement Policy	Memorandum sent to all County department heads as well as elected officials and presented before County Council on August 24, 2004 and adopted as written; for the purpose of establishing certain principles that will guide the recurring activities of County government. Effective immediately: 1. Encourage that all county employees are notified of upcoming Ozone Action Days. 2. Implement car-pooling opportunities, when feasible. - Ride share to work - Ride to lunch and/or meetings with fellow employees 3. Ensure that all County vehicles/equipment are operating according to the manufacturer's specifications. 4. Restrict vehicle idling to no more than 10 minutes. Exceptions include emergency vehicles, traffic/weather conditions, and vehicles being repaired, maintained, or inspected. 5. Restrict mowing and use of gas powered lawn equipment on County property on Ozone Action Days. 6. Restrict mowing by landscaping additional areas of county property. 7. Restrict all outdoor burning on Ozone Action Days. 8. Practice energy conservation in all County facilities. - Turn off computers and lights in the office at the end of the day - Turn off all office lights when not in use 9. Include environmental considerations in purchasing decisions for goods and services. An example of such would be to purchase the lowest-emission vehicles practical to meet County needs. This may include the purchase of Tier II compliant SEE Comment #6	1. Lexington County website has a link to the DHEC site with the Ozone Action Days. 2. County sent memos August 2005, to all employees to see the interest to carpooling. 3. All County employees are to turn off computers and lights when leaving at the end of each day.	Effective immediately - October 6, 2004	Directionally sound	Directionally sound	N/A	The commitment to address these activities has been assured by the County Administrator and was presented before County Council on August 24, 2004 and adopted as written. 1. See comment #6
Support SCDHEC statewide efforts to reduce ozone levels.	1. Stakeholder group to support and participate in modeling efforts. 2. Develop stakeholder group to participate in development of regulations (NOx - BACT (Best Available Control Technology Economically Achievable), restrict open burning).	December 2004 EAC SIP did include Appendix 16 - 1. SC61-62.2 "Prohibition of Open Burning" regulation with reductions for 2007 calendar year - reductions expected during the ozone season for residential construction waste. 2. SC61-62.5, Std. 5.2 "Control of Oxides of Nitrogen" reduction amount for both existing and new sources combined across Lexington and Richland counties for 2007 calendar year.	1. June 25, 2004 2. June 25, 2004	38.16 tons/season N/A	8.03 tons/season 183.5 tons/yr	N/A	
Designate an Ozone Action Contact	Establish industry/local government contact persons	Current Air Quality Contact is Sheri Armstrong	on-going	N/A	N/A	N/A	See Comment #2
Lexington County Fleet Management (750 vehicles)	1. 12 alternative fuel vehicles in fleet 2. Tri-axes are equipped with Engine Control Software to monitor vehicle usage. Idle time is set for 5 min. and then automatic shut off. 3. The catapillar engines being purchase have the ACERT Technology. 4. The County purchased 35 Impalas (more efficient) instead of Crown Vic for the sheriff department. Proposing 35 more for the next year. 5. VDO system on County vehicles monitors driving habits. 6. Fleet are maintained 3 month or 5,000 miles, if not maintained the fuel dispensors will not work for the vehicle.	3. Catapillar engines that are purchased for County are meeting the air quality standards proposed for 2007.	3. 2005-2007	Directionally sound	Directionally sound	N/A	
Land use/Green Space	A planning study (2005-2006) by COATS (Columbia Area Transportation Study) for bicycle and pedestrian facilities in the Central Midlands regions (Lexington, Richland, Kershaw, and Calhoun Counties) as a viable modal choice. (rsimmons@centralmidlands.org)	Public Meeting held Nov. 14, 2005	on-going	Directionally sound	Directionally sound	N/A	(http://www.centralmidlands.org/)

A. Control Measure under Consideration	B. Summary Description of Measure	C. Program/Measure Status	D. Specific Implementation Date	E. VOC Reduction	F. NOx Reduction	G. Resources (FTE's, \$\$)	H. Additional Information
Land-Use Improvement Action	The Town of Lexington passed through Town Council two streets in The Town Lexington be designated as one-way streets to ease traffic congestion.	Butler and Main streets to be constructed as one-way.	Town Council passed at the Nov. 2005 meeting	Directionally sound	Directionally sound	N/A	
Alternate work schedule	Discuss with industry, companies, municipalities, county departments	Lexington County surveyed employees (9/2005) as to the feasibility for department to go to 4 10-hour work schedules. One department within Public Works (10 employees) started October 1, 2005. Others departments hopefully to follow.	Oct. 2005	Directionally sound	Directionally sound	N/A	See Comment #2
Bio-diesel /alternate fuels use	Discuss with industry, companies, municipalities, county departments	Lexington County will write and distribute a letter of encouragement for the use of bio-diesel/alternative fuels to each of the municipalities. A copy will be included in next progress report	on-going	Directionally sound	Directionally sound	N/A	See Comment #2 (Contact Sheri Armstrong/803-785-8631/sarmstrong@lex-co.com)
Bio-diesel /alternate fuel stations available in Lexington County	1. Pitt Stop Convenience Store, (E85) 5019 Augusta Road 2. United Energy (Biodiesel and E85) 2470 Fish Hatchery Road	Both sell alternative fuels	on-going	Directionally sound	Directionally sound	N/A	
Idle Reduction	Establish County policies to reduce or stop idling time	15 trucks have Engine Control Module software that idling time is set for 5 minutes. Catapillar has incorporated this in the engine software. (ACERT Technology)	on-going	Directionally sound	Directionally sound	N/A	See Comment #2 (http://www.cat.com)
Landfill Methane Reduction (Methane Recycling System to be online February 2006)	Screaming Eagle Landfill owned by Waste Management accepts approximately 100,000 tons/yr of municipal solid waste from Lexington County.	(Methane Recycling System to be online February 2006)	Feb. 2006	Directionally sound	Directionally sound	N/A	See Comment #2 (www.state.sc.us/energy/renewable%20energy/lmop.htm)
Landfill Methane Outreach Program (LMOP) Participant	Program that aids the reduction of methane emissions from landfills by encouraging the recovery and use of landfill gas as energy source. (www.epa.gov/landfill/index.htm) Lexington County looking to find possible use of flared methane at the 321 Landfill.	on-going	on-going	Directionally sound	Directionally sound	N/A	
Green Power Support	MCEC (Mid-Carolina Electric Cooperative) offers the purchase of green power blocks. This power is distributed by Santee Cooper and blocks are currently being purchased by local commercial and residential stewards of the environment. State-wide there are 1300 residential co-op participants. (www.santeecooper.com/greenpower/)	Local businesses supporting are Lowe's, BBT, Kinko, Wachovia Banks. We were not able to obtain the number of blocks being purchased by Lexington County residents.	on-going	Directionally sound	Directionally sound	N/A	www.santeecooper.com
Energy Efficiency of New/Renovation of County Buildings	All windows in the County Administration Building were replaced with energy efficient windows. The same windows were used in the new Courthouse also.	2003-2004	completed	Directionally sound	Directionally sound	N/A	
Grant/Fund Proposals	Lexington County/Richland County applied for grant for Gas Cap Replacement/Gas Cap Wrenches.	Did not receive the grant.	on-going	Directionally sound	Directionally sound	N/A	Additional information submitted in December 2004 Progress Report See Comment #5
Stakeholders Meetings	1. June 6, 2005, meet with David Farren, Southern Environmental Law Center (SELC) and elected official from Lexington And Richland County to discuss "nonattainment" and goals to meet standards for ground level ozone. They also informed us of the release of the Columbia area air quality report by SELC. 2. Meeting with major industries to discuss the ozone situation in late July (2004). 3. I have been talking with Lexington Soil and Water Conservation District to partner with us for air quality issues.	June 2005 - Obtained list of the major VOC and NOx emitters in county and plan to met with these companies to discuss concerns regarding attainment issues.		Directionally sound	Directionally sound	N/A	Additional information submitted in June 2004 Progress Report See Comment #4
Landscaping	1. Planting of approximately 10-15 acres of trees and/or shrubbery for additional landscaping areas on Lexington County owned property that will reduce mowing and the use of gas powered lawn equipment. 2. Lexington County Planning /Department working with County Council and developers for proposed scenic corridors throughout the county for preservation of natural buffers along roadways.	1. Planted trees Jan.-Mar. 2005.	on-going	Directionally sound	Directionally sound	N/A	
Seminar/Presentations attended by Lexington County to further their knowledge of Air Quality	1. May 25, 2005 attended Dr. Dave Nowak-"Understanding the Effects of the Urban Forest on Air and Water Quality". 2. June 22, 2005 participated in a conference call EPA, STATE, LOCAL partners and Office of Transportation and Air Quality to discuss how the "Best Work Places for Commuters" can help EACs. 3. August 23-25, 2005 attended the Southern Transportation and Air Quality Summit (STAQS) Conference. 4. November 3, 2005 Participated in conference call with DHEC and Richland County for guidance for the EAC Report due December 2005.	Dr. Dave Nowak-"Understanding the Effects of the Urban Forest on Air and Water Quality		Directionally sound	Directionally sound	N/A	
Proposed air quality projects	1. Lexington County in partnership with other agencies are looking into holding a gas powered lawn mower/lawn equipment exchange. 2. Lexington County in partnership with other agencies are looking into holding a Kerosene Can exchange. 3. Lexington County in partnership with other agencies are looking into holding a Gas Cap Replacement/Gas Cap Wrenches event.	1. Spring 2006, measures 2 and 3 are for future events.		Directionally sound	Directionally sound	N/A	
Public Awareness/Education	1. Providing/incorporating Air Quality information in county newsletter that goes to all employees. 2. Working with county GIS department for the introduction of an Environmental link for the Public Works Department discussing Air Quality and related issues-hopefully implemented in 2006. 3. Spoke with Mid Carolina Electric Co-Op about publishing Air Quality information in their newsletter that is distributed to all MCEC customers-hopefully 2006. 4. Looking to implement Air Quality seminars with the Lexington County school system in 2006.	June 2005 - update on educational air quality presentations for schools...; also working with landscape "guru" on educational/outreach presentations to local organizations...	on-going	Directionally sound	Directionally sound	N/A	Additional information submitted in December 2004 Progress Report See Comment #5
Public Awareness/Information	Lexington County, with input from DHEC, is designing and constructing an Ozone Action sign that will display during the Ozone season the ozone alertness level. This will be posted at a heavily traveled intersection in Columbia.		Jan-06	Directionally sound	Directionally sound	N/A	
Education of environmental issues within school systems	1. Amy Curran, DHEC, has been involved for 3 years with Gilbert Middle School for the implementation of wetlands, observation area, and kiosk. 2. She conducted an outdoor workshop with the students on air quality. 3. Amy also taught the 7th grade at Northside Middle School the science curriculum incorporating the health and environmental issues of air quality.	1. On going project since 2003 2. Held on Oct, 25, 2005 3. Taught class on Nov. 15, 2005	on-going	Directionally sound	Directionally sound	N/A	(http://www.lexington1.net/gms/schoolhappenings.html#wetland)

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Recognition by SC Wildlife Federation	Lexington County Planning Department working with County Council and developers for proposed scenic corridors throughout the county for preservation of natural buffers along roadways.		on-going	Directionally sound	Directionally sound	N/A	Comments #7 (www.scwf.org/)
Join and participate in Clean Cities	Become a stakeholder in Clean Cities and become active in meetings. This partnership shall increase public awareness of the environment issues of air quality that Lexington County is working to better.	Contact with Wendy Bell of the Catawba COG will be initiated.	Jan-06	Directionally sound	Directionally sound	N/A	
1300 employees receive Ground Level Ozone Awareness Information in Pay stubs	Comments #7 and 8	Mar. 31, 2005		Directionally sound	Directionally sound	N/A	
Comments: 1. December 2004 - SC EAC SIP - activity not quantified for several reasons (first) in accordance with EAC Protocol, after all adopted Federal and State controls were accounted for in the modeling, it was determined that local controls were not necessary to demonstrate attainment of the 8-hour ozone standard. Measures were submitted by the local areas to show their continued support and commitment to the EAC process. (second) this activity is directionally sound and should provide air quality benefits and in some cases measurable results. The progress toward implementing this activity and the benefits derived will be documentd as a part of the ongoing reporting requirements. 2. December 2003 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac.html - additional information provided by the county to include "findings", "advantages/disadvantages", "recommendations", "costs", etc.... 3. March 2004 - Local Early Action Plan - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0304.asp 4. June 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0604.asp 5. December 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_1204.asp 6. December 2004 - SC EAC SIP - Including Appendix 8 (Local Early Action Plans and the Air Quality Awareness and Improvement Policy) and Appendix 16 (County Level Emission Reductions and Descriptions for the Ozone EAC Areas)- See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html 7. April 20, 2005 - Correspondence to Mr. Palmer including clarifying supplemental information to the EAC SIP submittal of December 2004. - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html 8. June 2005 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0605.asp							

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Central Midlands, SC (Designated - Attainment)							
<p align="center">NEWBERRY COUNTY</p> <p align="center">Based on stakeholder consultation and taking into consideration resource and political constraints, the following emission reduction strategies remain under consideration. The County will continue to evaluate the air quality within the county and may implement one or more of the following measures under consideration.</p>							
Air Quality Contact	Tom Barber is County staff person responsible for air quality education/outreach and dissemination of ozone forecast.	Tom Barber will remain the contact person	Mar-03	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Support state-wide emission reduction efforts	County will offer support to DHEC for statewide emission reduction efforts such as open burning, and BACT		Current	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Web Site	County will include ozone numbers that are provided to county by DHEC	County has places several ozone awareness links on web page	Upon implementation by state	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Public Works	Public Works Director will investigate the possibilities of using BIO-Diesel in county heavy equipment and trucks	Public Works Director is surveying possibilities of use		n/a directionally sound	n/a directionally sound	n/a	
Park and Ride	County will encourage Park and Ride Lots for those workers driving to Columbia each day	Park and Ride is used daily and attempts are being made to encourage others to use service	Dec-03	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
<p>Comments:</p> <p>1. December 2004 - SC EAC SIP - activity not quantified for several reasons (first) in accordance with EAC Protocol, after all adopted Federal and State controls were accounted for in the modeling, it was determined that local controls were not necessary to demonstrate attainment of the 8-hour ozone standard. Measures were submitted by the local areas to show their continued support and commitment to the EAC process. (second) this activity is directionally sound and should provide air quality benefits and in some cases measurable results. The progress toward implementing this activity and the benefits derived will be documented as a part of the ongoing reporting requirements.</p> <p>2. December 2003 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac.html - additional information provided by the county to include "findings", "advantages/disadvantages", "recommendations", "costs", etc....</p> <p>3. March 2004 - Local Early Action Plan - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0304.asp</p> <p>4. June 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0604.asp</p> <p>5. December 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_1204.asp</p> <p>6. December 2004 - SC EAC SIP - Including Appendix 8 (Local Early Action Plans and the Air Quality Awareness and Improvement Policy) and Appendix 16 (County Level Emission Reductions and Descriptions for the Ozone EAC Areas)- See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>7. April 20, 2005 - Correspondence to Mr. Palmer including clarifying supplemental information to the EAC SIP submittal of December 2004. - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>8. June 2005 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0605.asp</p>							

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Comments: Modeling for 2007, shows attainment without including measures beyond national and regional measures already finalized.. 2012 and 2017 also shows attainment.							
11 Central Midlands, SC (Effective date of nonattainment designation deferred) Richland County							
Memorandum of Agreement 9/27/04 with SCE&G Wateree	Facility agreed to take permit limits on two coal-fired boilers during the ozone season as their commitment to the EAC process. NOx emissions from any boiler equipped with selective catalytic reduction systems (SCR) are not to exceed 0.15 lbs/MMBtu averaged over a 5-month period.	on-going	September 27, 2004		Limits to .15 lbs / MMBtu average from SCR equipped boilers during the ozone season		See Comment #6.
Memorandum of Agreement 8/12/04 with International Paper	Facility agreed to take an annual allowable NOx emission reduction of 1,000 tons at the Eastover Mill Facility. The Title V permit (#1900-0046) for the Eastover Mill provides for allowable NOx emissions totaling 5,155 tons per year. The facility-wide annual allowable NOx emission reduction will reduce allowable NOx emissions at the Eastover Mill from 5,155 to 4,155 tons per year.	on-going	August 12, 2004		1,000 tons allowable NOx limit		See Comment #6.
Biodiesel Buses at the University of South Carolina	The University of South Carolina, located in Richland County, has begun using 80/20 biodiesel to fuel several of its shuttle buses. The program began with a grant from the DOE to offset the marginal cost of biodiesel fuel, and benefitted from the long-term loan of a tank from United Energy.	on-going		25 lbs/ year	12 lbs/ year	CO reductions 34 lbs/year December 2004 EAC SIP - Appendix 16 See Comment #6	See Comment #6.
University of South Carolina Ethanol Project	The University of South Carolina, located in Richland County, has begun replacing regular gasoline vehicles with alternative, flexible-fuel vehicles, and has installed E85 infrastructure to supply those vehicles. (Other smaller gasoline-powered vehicles have been replaced with electric vehicles.)	on-going		18.3 lbs/ year	18.9 lbs/ year	CO reductions 1250 lbs/year December 2004 EAC SIP - Appendix 16 See Comment #6	See Comment #6.
SCDHEC flex fuel vehicles.	SCDHEC has a number of flex fuel vehicles that run almost exclusively on E85. SCDHEC uses approximately 23,500 gallons of E85 annually. Not all of the reduction in travel occurred in Richland County.	on-going		104 lbs/yr	103 lbs/yr		CO reductions 6030 lbs/year December 2004 EAC SIP - Appendix 16 See Comment 6
Take a Break from the Exhaust program, SCDHEC	Employees participate by choosing pollution-reducing alternatives to commuting alone to work during the ozone season from May 1 - September 30. Emissions are calculated for vehicle miles eliminated. Not all of the reduction in travel occurred within Richland County.	on-going		568 lbs/ ozone season	393 lbs/ozone season		CO reductions 5,494 lbs/year December 2004 EAC SIP - Appendix 16 See Comment #6
Public Ethanol (E85) refueling station	1. On October 6, 2004, the county's first publicly accessible E85 refueling station in downtown was opened. Estimated annual reduction based on first 64 days. 2. Richland County is considering reapplying for ethanol fueling sites from DHEC. 3. There are currently eight E85 stations in the midlands area, including 6 in Richland County, 2 in Lexington County.	on-going		1. 162 lbs	1. 621 lbs.		1. CO reductions 2,369 lbs/year December 2004 EAC SIP - Appendix 16 See Comments #4, #6
"Smart Ride"	County employees and visitors to Richland County from the Camden, Sumter, and Newberry/Chapin areas are encouraged to ride SmartRide, a park and ride service offered by SCDOT.	on-going		153 lbs.	207 lbs.		CO reductions 3,166 lbs/year December 2004 EAC SIP - Appendix 16 See Comment 6
Gas Can Exchange Events	1. Events held on June 5 and October 16, 2004.	completed	June 5 and October 16, 2004	475 lbs/year			See comment #4, #6
School Bus Retrofit Project	Approximately 21 diesel buses will be retrofitted with particulate filters during 2006. (South Carolina Department of Education. Additional reductions of PM are also expected)	on-going	2006	357 lbs/year	n/a		CO reductions 2,499 lbs/year December 2004 EAC SIP - Appendix 16 See Comment #6

<p align="center">RICHLAND COUNTY</p> <p align="center">Based on stakeholder consultation and taking into consideration resource and political constraints, the following control measures are under consideration pending modeling that demonstrates compliance in 2007 by SCDHEC. It is anticipated these measures under consideration will assist the Counties of Richland and Lexington, South Carolina, in achieving and/or maintaining the 8-hour ozone standard by 2007.</p>							
EARLY ACTION COMPACT EMISSION REDUCTION STRATEGIES							
Join and participate in the SC Early Action Plan for 8-hour ozone.	Given its non-attainment status under the new 8-hour ozone standard, Richland County is actively participating in the South Carolina Early Action Program in an effort to promote cleaner air sooner through the implementation of various emission reduction strategies.	The county remains committed to the EAP and the emission reduction strategies listed below. Preliminary data shows that for the first time since the new federal standard went into effect, the three-year average of fourth highest ozone concentrations at each of the three ozone monitors located in Richland County now meet the tougher standard.	County Council agreed to participate in December 2002. The process is ongoing until 2007.	NA	NA		See Comment #2 and #6
Assign a County Air Quality Contact	The County Administrator has assigned a staff person to be responsible for all air quality education and outreach activities, and to insure dissemination of the ozone forecast.	Current Air Quality Contact: Joe Cronin, Research Analyst	March 1, 2003	NA	NA	.25 FTE	See Comment #2 and #6
Support SCDHEC's statewide efforts to reduce ozone levels	Richland County will offer support to DHEC for statewide emission reduction efforts such as restrictions on open burning, and BACT.	December 2004 EAC SIP did include Appendix 16 - 1. SC61-62.2 "Prohibition of Open Burning" regulation with reductions for 2007 calendar year - reductions expected during the ozone season for residential construction waste. 2. SC61-62.5, Std. 5.2 "Control of Oxides of Nitrogen" reduction amount for both existing and new sources combined across Lexington and Richland counties for 2007 calendar year.	1. June 25, 2004 2. June 25, 2004	54.16 tons/season NA	11.40 tons/season 183.5 tons/yr		See comment #2 and #6
Update the County's Land Development Code	Through Richland County's new Land Development Code, the county has altered its zoning regulations, design controls, and "green development" practices in an effort to promote smart, sustainable growth, which will aid in improving air quality throughout the county and region. Updates to the code are designed to address the following areas: 1. To provide for adequate light, air, and open space; 2. To prevent the overcrowding of land to avoid undue concentration of population and to lessen congestion in the roads; 3. To facilitate the creation of a convenient, attractive, and harmonious community; 4. To protect and preserve scenic, historic, cultural, or ecologically sensitive areas; 5. To regulate the density and distribution of populations and the uses of buildings, structures and land for trade, industry, residence, recreation, agriculture, forestry, conservation, airports and approaches thereto, water supply, sanitation, protection against floods, public activities and other purposes; 6. To facilitate the adequate provision or availability of transportation, police and fire protection, water, sewage, schools, parks and other recreational facilities, affordable housing, disaster evacuation, and other public services and requirements as are set forth in this chapter; 7. To secure safety from fire, flood, and other dangers; 8. To encourage the development of an economically sound and stable county; 9. To assure the timely provision of required roads, utilities, and other facilities and service to new land developments; 10. To assure the adequate provision of safe and convenient traffic access and circulation, both vehicular and pedestrian, in and through new land developments; 11. To assure the provision of needed public open spaces and building sites in new land developments through the dedication or reservation of land for recreational, educational, and/or transportation purposes; 12. To assure, in general, the wise and timely development of new areas, and redevelopment of previously developed areas in harmony with the comprehensive plans of Richland County and its municipalities; 13. To assure compatibility between neighboring properties and adjacent zoning districts; and 14. To further the public welfare in any other regard specified by the Richland County Council.	The new Land Development Code went into effect on July 1, 2005.	July 1, 2005	NA	NA		The County's new Land Development Code is available online at: http://www.rcgov.us/information/town/LandDevelopmentCode110904.pdf
Join and participate in Clean Cities	Richland County signed on as a stakeholder in the Palmetto Clean Fuels Coalition (which is now Clean Cities) on July 22, 2003. The county joined the coalition in an effort to seek ways to increase the availability of alternative fuels in our county, to increase the use of those fuels, and to increase public awareness of the benefits of using alternative fuels. Richland County sends a representative to all Clean Cities meetings.	Richland County remains a stakeholder in this organization, and continues to send a representative to all coalition meetings. With the assistance of the coalition, there are now six service stations that offer E85 to the public in Richland County.	July 22, 2003	NA	NA		See Comment #2 and #6
Replace gasoline golf carts with electric carts	Richland County has researched the possibility of purchasing electric golf carts for county fleet. The County currently has 4 golf carts, all of which use gasoline. Electric carts are lower maintenance and lower cost, and parts are also easier to get, thus providing more of an incentive to purchase electric carts in the future.	There are currently no plans to replace existing gasoline golf carts with electric. As carts are replaced as needed, electric carts will be preferred over gasoline if practicable.	Emphasis place the next time a golf cart is purchased.	NA	NA		See Comment #2 and #6
Pursuit of alternative fuel, flexible fuel, and hybrid vehicles for public fleets	Under an administrative policy, Richland County has a goal of replacing 30% of its fleet by 2010 with the lowest emission vehicles practical. Under this policy, the county continues to pursue flexible fuel, alternative fuel, and hybrid vehicles for its fleet. Flexible and Alternative Fuel Vehicles 1. The county has purchased approximately two dozen flexible fuel (E85/Gasoline) vehicles for its public fleet. More flexible fuel vehicles will be purchased in future years as funding and availability under the state contract permits. 2. The Central Midlands Regional Transportation Authority (CMRTA) has 7 compressed natural gas (CNG) buses in its fleet, with the remaining vehicles operated by the "clean diesel" technology. CMRTA used 60,031 gallons of CNG during 2004. 3. County staff, in conjunction with DHEC and the Palmetto State Clean Fuels Coalition, continues to research and consider the possibility of using other alternative fuels, such as biodiesel. To become more familiar with available alternatives to gasoline, staff has attended all Clean Cities meetings, along with special events, such as the coalition's Biofuels Showcase, held in Columbia on November 18, 2005 4. The county, in conjunction with DHEC, continues to pursue grant funds to convert existing vehicles to alternative fuel, to purchase new alternative fuel vehicles, and to install the needed infrastructure to service alternative fuel vehicles. a. CNG Vehicles Grant Application b. Diesel Retrofit Grant Application c. E85 Fueling Infrastructure Grant Application	2004 (Unfunded) 2004 (Unfunded) 2005 (Unfunded)		NA NA NA	NA NA NA		See Comment #2 and #8

	Hybrid Vehicles 1. Staff has researched the practicality of replacing traditional fleet vehicles with hybrid vehicles. 2. For the first time, the state contract has included a Chevrolet 1500 hybrid pickup truck. The county's fleet manager and other members of staff will meet with the vendor on December 13, 2005 to test drive and learn more about the vehicle. It is expected that the county may purchase up to 12 of these hybrid vehicles, each of which will receive approximately 12% better fuel efficiency, and release 1600 fewer pounds of emissions into the air each year than the traditional pickup.	Purchases expected in FY 2005-06	Ongoing FY 2005-06	NA NA 1600 lbs less total emissions per vehicle per year.		
Engage other governmental entities and organizations to share ideas and build knowledge of air quality issues.	Frequently survey or work in conjunction with other jurisdictions to discuss initiatives or events that might be adapted for use in Richland County. Actively engaging in Clean Cities, which has stakeholders from other counties, municipalities, and state agencies, as well as the private and non-profit sector. Work with non-profit organizations on air quality and environmental-related issues. Clean Air Report briefing was held for members of Richland County and Columbia City Council 1. The "Clean Air Report for the Columbia Area" was issued by the Southern Environmental Law Center. Staff members regularly interact with SELC staff. 2. Partnership with Keep the Midlands Beautiful and other local organizations on special projects.	Valuable research on hybrid vehicle use and lawnmower exchange projects has been obtained using such collaboration. Staff has obtained a greater understanding of alternative fuels and their implications for cleaner air by attending Clean Cities meetings and events.	Began Spring 2003 Ongoing	NA NA		See Comments #2 #6 and #8
Offer compressed work weeks or flexible schedules to County employees	Many Richland County employees operate on a flex schedule. We hope to expand this program to other departments where feasible (excluding most emergency services employees.) The implementation of compressed work weeks and flex time helps reduce traffic congestion during the peak driving hours by spreading out the number of vehicles on the roadway over a longer period of time.		Ongoing	NA NA		See Comment #2 and #6
Encourage carpooling, vanpooling, and mass transit as an alternative to single passenger trips	County employees and visitors to Richland County from the Camden, Sumter, and Newberry/Chapin areas are encouraged to ride SmartRide, a park and ride service offered by SCDOT. County employees and visitors to Richland County are encouraged to use the Central Midlands Regional Transportation Authority's bus system. In 2004, the County Ozone Coordinator undertook a survey of county employees to gauge interest in car-pooling initiatives. With the recent increase in gas prices, the Ozone Coordinator has begun researching new park-and-ride and car-pooling initiatives.	The number of SmartRide riders has increased substantially since its inception. SCDOT now offers free trips on Ozone Action Days. Unfortunately, county employees expressed little interest in car-pooling initiatives. Research has been done as to which zip codes county employees are coming from. A pilot park-and-ride program is expected to begin in Spring 2006. If successful, the program will expand to other areas of the region.	SmartRide began in Fall 2003 Ongoing Spring 2004 Research was undertaken in Summer 2005. A pilot program is expected to begin in Spring 2006.	NA NA NA NA		See Comment #2 and #6
Develop Energy Conservation Plan	Richland County currently promotes internal recycling in the administration building, as well as other county-owned buildings. Recycling bins are placed throughout the building, ranging from white paper to aluminum can receptacles. We remind employees to turn off lights and computers when not in use.		Ongoing	NA NA		See Comment #2 and #6
Restrict mowing days and times all year, especially during ozone season / ozone action days. Promote the use of electric and propane lawn mowers. Reduction of Nox emissions at SCE&G's Wateree Plant	Per the Richland County Administrator's directive, all mowing and the use of gas-powered lawn equipment on County property should be restricted on Ozone Action Days (orange and above), when manageable. In addition, the County will seek to landscape facilities in ways that reduce equipment use, thereby requiring lower maintenance, and resulting in fewer emissions. MOA was signed with the SCE&G Wateree facility in which the facility agreed to take permit limits on two coal-fired boilers during the ozone season as their commitment to the EAC process. Nox emissions from any boiler equipped with selective catalytic reduction systems are not to exceed .15lbs/MMBtu averaged over a 5-month period. (See Comment #6 for specific information regarding reductions.)		Effective - October 8, 2004 September 27, 2004	NA NA Emission Limit of 15lbs/MMBtu during the ozone season.		See information above. See Comment #6 for specific information regarding reductions
Reduction of VOC emissions and Reduction of NOx Emissions at International Paper Eastover Mill	MOA was signed with International Paper in which the facility agreed to take an annual allowable Nox emission reduction of 1,000 tons at the Eastover Mill facility. The Title V permit for the Eastover Mill provides for allowable NOx emissions totaling 5,155 tons/year. The facility-wide annual allowable NOx reduction will reduce allowable NOx emissions at the Eastover Mill from 5,155 to 4,155 tons/year. (See Comment #6 for specific information regarding reductions.)		August 12, 2004	NA 1,000 tons/year		See information above. See Comment #6 for specific information regarding reductions
Prohibit/limit/ban open burning (all year or May – September or on Ozone Action Days); encourage to mulch clearing debris rather than burning it.	Richland County's Code of Ordinances prohibits all fires within the right-of-way of any street, road, or highway except in certain cases. Open fires may be set in performance of an official duty of any public officer when deemed necessary to protect property, life, or the public welfare. Salamanders or other devices may be used for heating by construction or other workers, provided no nuisance is created. Open burning is prohibited within any "residential" zoning district (with a few exceptions). During a pollution alert declared by duly constituted authority, any and all open burning shall be unlawful.	Codified in Richland County Code of Ordinances, Section 10-1.	Ongoing	54.16 tons/season 11.4 tons/season		See Richland County Code of Ordinances, Section 10-1, available online at: http://www.amlgal.com/richlandco%5Fsc/
School Bus Retrofit Project (SCDOE)	Approximately 21 diesel buses will be retrofitted with particulate filters during 2006. (SC Department of Education. Additional reductions of PM are also expected.)		2006	357 lbs/ year NA		CO reductions 2,499 lbs/year December 2004 EAC SIP - Appendix 16 See Comment #6
Biodiesel Buses at the University of South Carolina	The University of South Carolina, located in Richland County, has begun using 80/20 biodiesel to fuel several of its shuttle buses. The program began with a grant from the DOE to offset the marginal cost of biodiesel fuel, and benefitted from the long-term loan of a tank from United Energy.		Began in 2002. Ongoing.	25 lbs/ year 12 lbs/ year		See Comment #6
University of South Carolina Ethanol Project	The University of South Carolina, located in Richland County, has begun replacing regular gasoline vehicles with alternative, flexible-fuel vehicles, and has installed E85 infrastructure to supply those vehicles. (Other smaller gasoline-powered vehicles have been replaced with electric vehicles.)		Ongoing	18.3 lbs/ year 18.9 lbs/ year		See Comment #6
SCDHEC Initiatives in Richland County	SCDHEC, headquartered in Richland County, has initiated a "Take a break from the exhaust" program, which promotes employees to choose pollution-reducing transportation alternatives. DHEC also has a number of flex-fuel vehicles which run almost exclusively on E85.	1. Take a Break from the Exhaust runs during the ozone season and reduces the number of miles travelled in Richland County. 2. The use of flex-fuel vehicles has resulted in the displacement of approximately 23,500 gallons of gasoline annually.	Ongoing	1. 568 lbs/season 2. 104 lbs/year 1. 393 lbs/season 2. 103 lbs/year		See Comment #6
Gas Can Exchange Events	Working with Lexington County, DHEC, and other sponsors, Richland County held two gas can exchange events in June and October of 2004.	Over 200 gas cans were exchanged during the June and October events.	June 5, 2004 and October 16, 2004 Spring 2006	475 lbs/ year TBD	NA	See Comment #6
Lawnmower Exchange Event	Working with Lexington County, DHEC, and other sponsors, Richland County is currently planning a lawnmower exchange event to be held in the Spring of 2006. During the event, citizens will be able to turn in an old gasoline-powered engine in exchange for a discount on a new, electrically-powered lawnmower. This event will be the first held in the State of South Carolina.	To be held in the Spring of 2006.	Spring 2006	TBD	TBD	
Kerosene Container Exchange Event	Working with Lexington County, DHEC, and other sponsors, Richland County is currently planning a kerosene container exchange event to be held in 2006.	To be held in 2006.	Spring 2006	TBD	TBD	
Implement a program to foster ozone awareness and to educate and motivate individuals to take actions to minimize ozone pollution.	Richland County is committed to promoting ozone awareness, both internally and externally. By using the measures listed below, the County has sought to educate residents about the harmful effects of ozone, and the everyday steps they can take to improve air quality and reduce ozone in Richland County.					See Comments #2 #6 and #8 for additional information.
	1. Place SCDHEC's Daily Air Quality Index on the County Website.	A link appears on the County's main page, www.rcgov.us . DHEC updates the index on a daily basis during the ozone season.	Began Spring 2005	NA	NA	
	2. Place air quality related informational and educational items on the County's website.	A link appears on the County's main page for information on the Ozone EAP, http://www.rcgov.us/information/ozone/home.asp . The page includes information about the County's plan, progress reports, links to informational websites, and electronic versions of educational fliers and brochures.	Ongoing	NA	NA	
	3. Issue press releases and promote news coverage of the county's ozone-related events and initiatives.	The Ozone Coordinator, working in conjunction with the Public Information Office, frequently issues press releases and offers media interviews to promote ozone awareness and to highlight county initiatives.	Ongoing	NA	NA	
	4. Actively participate in Ozone Awareness Week	The county actively participated in Ozone Awareness Week.	March 28, through April 1, 2005	NA	NA	

	5. Place informational posters in the County Administration Building.	Informational posters appear in the lobby of the building, directly across from the Treasurer's Office, where residents come to pay vehicle and other taxes.	Placed in the lobby in Spring 2005 and remains there indefinitely.	NA	NA		
	6. Place informational brochures and fliers in the County Administration Building.	Informational brochures and fliers appear in the lobby of the building. The supply is restocked as needed.	Ongoing	NA	NA		
	7. Encourage mass transit and other transportation alternatives.	Employees are encouraged via email to use mass transit by e-mail. A poster is currently being developed to be placed in the lobby to advertise bus service and the SmartRide Program.	Ongoing	NA	NA		
	8. Keep county employees updated on air quality issues by email regularly.	The county's Ozone Coordinator frequently e-mails county staff regarding air quality issues. E-mails in 2005 included updates on forecasted ozone action days, information on the availability of E85 and other alternative fuels, a list of things you can do to improve air quality, and car maintenance tips to improve fuel efficiency and lower emissions.	Ongoing	NA	NA		
	9. Use the county's new television show, Richland Revealed, to promote ozone awareness.	Richland County has entered into an agreement with the local WB station to broadcast Richland Revealed at 11:30 am on Sunday mornings. An episode of the show to be dedicated to air quality is planned for the spring of 2006. This episode will highlight the importance of clean air, and promote steps that can be taken to reduce pollution.	Episode will be broadcast in Spring 2006. There is also the possibility of providing pollution-reduction tips during each episode.	NA	NA		
RICHLAND COUNTY AIR QUALITY IMPROVEMENT POLICY - ADMINISTRATOR'S DIRECTIVE							
Air Quality Awareness and Improvement Policy	An Administrative Directive, issued October 8, 2004, for the purpose of establishing policies by which air quality and awareness will be improved via recurring activities of County government. Details of the policy include:	Ongoing	Effective - October 8, 2004	NA	NA		See comment #6
	1. Ensure that all employees continue to be notified of upcoming ozone action days. Notification occurs via email.						
	2. Departments allowed to promote flex-scheduling where feasible. Certain employees in emergency services departments are unable to practice flex-scheduling, but other operational departments are allowed to promote this option where manageable.						
	3. Richland County has several Tier II compliant vehicles and pieces of equipment currently in its fleet and will increase this number. Richland County had budgeted for 13 alternative fuel vehicles (AFVs) in FY 2004-2005, with an increase in the purchasing of AFVs thereafter. It shall be the goal of the County that by 2010, 30% of the County fleet will be the lowest emission vehicles practical.						
	4. All County vehicles and equipment are operating according to the manufacturer's specifications, and shall continue to do so. Richland County currently uses recyclable oil filters with an extended service interval capacity, which allows the county to perform oil changes at 4,000 or 5,000 miles instead of 3,000. Richland County seeks to incorporate synthetic oils and fluids in its maintenance program, which offer superior protection and longer service intervals.						
	5. Drivers are required to eliminate vehicle idling. Exceptions include emergency vehicles, traffic/weather conditions, and vehicles being repaired, maintained, or inspected. These exceptions should occur only as reasonably required for specific operations.						
	6. Restrict mowing and use of gas-powered lawn equipment on County property on Ozone Action Days (orange and above) where manageable.						
	7. The County will seek to landscape facilities in ways that reduce equipment use, thereby promoting lower maintenance, resulting in fewer emissions.						
	8. During a pollution alert, such as an ozone action day, all outdoor burning shall be unlawful. (See Richland County Ordinance Chapter 10, Section 10-1.)						
	9. Richland County will continue to practice energy conservation in all County facilities. Conservation measures include turning off lights and computers on nights, weekends, and on holidays. Strong emphasis and preference will be placed on purchasing Energy Star compliant products.						
	10. Recycling efforts shall remain ongoing at County facilities.						
	SEE Comment #6						
Comments:							
1. December 2004 - SC EAC SIP - activity not quantified for several reasons (first) in accordance with EAC Protocol, after all adopted Federal and State controls were accounted for in the modeling, it was determined that local controls were not necessary to demonstrate attainment of the 8-hour ozone standard. Measures were submitted by the local areas to show their continued support and commitment to the EAC process. (second) this activity is directionally sound and should provide air quality benefits and in some cases measurable results. The progress toward implementing this activity and the benefits derived will be documented as a part of the ongoing reporting requirements.							
2. December 2003 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac.html - additional information provided by the county to include "findings," "advantages/disadvantages," "recommendations," "costs," etc....							
3. March 2004 - Local Early Action Plan - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0304.asp							
4. June 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0604.asp							
5. December 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_1204.asp							
6. December 2004 - SC EAC SIP - Including Appendix 8 (Local Early Action Plans and the Air Quality Awareness and Improvement Policy) and Appendix 16 (County Level Emission Reductions and Descriptions for the Ozone EAC Areas) - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html							
7. April 20, 2005 - Correspondence to Mr. Palmer including clarifying supplemental information to the EAC SIP submittal of December 2004. - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html							
8. June 2005 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0605.asp							

Attachment 10

Upper Savannah Area

December 2005 EAC Progress Reports

December 2005



A. Control Measure under Consideration	B. Summary Description of Measure	C. Program/Measure Status	D. Specific Implementation Date	E. VOC Reduction	F. NOx Reduction	G. Resources (FTE's, \$\$)	H. Additional Information
Upper Savannah, SC (Designated - Attainment) - Abbeville County							
Gas Can Exchange Event		even cancelled due to problems with sample cans	n/a	n/a	n/a	n/a	
<p align="center">ABBEVILLE COUNTY</p> <p>Based on stakeholder consultation and taking into consideration resource and political constraints, the following emission reduction strategies remain under consideration. The County will continue to evaluate the air quality within the county and may implement one or more of the following measures under consideration.</p>							
1. Work with local media for public awareness	PSA's to local newspapers, radio and television stations	no activity since last report	On-going	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
2. Designate an Ozone Action Contacts		no activity since last report		n/a directionally sound	n/a directionally sound	n/a	See Comment #3
3. Open burning on high ozone days	Solicit cooperation of State and Federal	no activity since last report	On-going	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
4. Mowing	Encourage County, municipalities to practice not idling government vehicles when practical.	no activity since last report	On-going	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
5. Vehicles	Encourage County and municipalities to practice not idling government vehicles when practical. Fill automobiles with fuel after 6.p.m. when possible Consider alternate schedule for County and Municipal Services County and Municipalities will explore purchasing more fuel efficient and low emission level vehicles when replacements are needed when economically feasible.	no activity since last report	On-going	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
6. Education	Work cooperatively with School District	no activity since last report	On-going	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
<p>Comments:</p> <p>1. December 2004 - SC EAC SIP - activity not quantified for several reasons (first) in accordance with EAC Protocol, after all adopted Federal and State controls were accounted for in the modeling, it was determined that local controls were not necessary to demonstrate attainment of the 8-hour ozone standard. Measures were submitted by the local areas to show their continued support and commitment to the EAC process. (second) this activity is directionally sound and should provide air quality benefits and in some cases measurable results. The progress toward implementing this activity and the benefits derived will be documented as a part of the ongoing reporting requirements.</p> <p>2. December 2003 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac.html - additional information provided by the county to include "findings", "advantages/disadvantages", "recommendations", "costs", etc....</p> <p>3. March 2004 - Local Early Action Plan - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0304.asp</p> <p>4. June 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0604.asp</p> <p>5. December 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_1204.asp</p> <p>6. December 2004 - SC EAC SIP - Including Appendix 8 (Local Early Action Plans and the Air Quality Awareness and Improvement Policy) and Appendix 16 (County Level Emission Reductions and Descriptions for the Ozone EAC Areas) - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>7. April 20, 2005 - Correspondence to Mr. Palmer including clarifying supplemental information to the EAC SIP submittal of December 2004. - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>8. June 2005 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0605.asp</p>							

A. Control Measure under Consideration	B. Summary Description of Measure	C. Program/Measure Status	D. Specific Implementation Date	E. VOC Reduction	F. NOx Reduction	G. Resources (FTE's, \$\$)	H. Additional Information
Upper Savannah, SC (Designated - Attainment)							
EDGEFIELD COUNTY Based on stakeholder consultation and taking into consideration resource and political constraints, the following emission reduction strategies remain under consideration. The County will continue to evaluate the air quality within the county and may implement one or more of the following measures under consideration.							
1. Air Quality Contact	One person will be identified as the Air Quality Contact. At a minimum, this contact will be responsible for ozone education/outreach and dissemination of ozone forecast.	On-going	On-going	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
2. Support Statewide efforts	The county will support the efforts of SCDHEC regarding statewide reduction strategies.	On-going	On-going	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
3. Edgefield County Road Maintenance Department	Edgefield County Road Maintenance Dept. will consider clean air goals in purchasing of new equipment.	Replaced several pieces of road equipment with new models which are estimated at 25% more efficient	On-going	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
4. EdgefieldCounty Fleet	Edgefield County Fleet will consider air Quality goals on the purchase of fleet vehicles	On-going	On-going	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
5. Edgefield County Building & Planning Department	Edgefield County Building & Planning Dept. well use energy efficient strategies in inspections of residential dwellings and commercial buildings	On-going	On-going	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Comments: 1. December 2004 - SC EAC SIP - activity not quantified for several reasons (first) in accordance with EAC Protocol, after all adopted Federal and State controls were accounted for in the modeling, it was determined that local controls were not necessary to demonstrate attainment of the 8-hour ozone standard. Measures were submitted by the local areas to show their continued support and commitment to the EAC process. (second) this activity is directionally sound and should provide air quality benefits and in some cases measurable results. The progress toward implementing this activity and the benefits derived will be documentd as a part of the ongoing reporting requirements. 2. December 2003 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac.html - additional information provided by the county to include "findings", "advantages/disadvantages", "recommendations", "costs", etc.... 3. March 2004 - Local Early Action Plan - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0304.asp 4. June 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0604.asp 5. December 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_1204.asp 6. December 2004 - SC EAC SIP - Including Appendix 8 (Local Early Action Plans and the Air Quality Awareness and Improvement Policy) and Appendix 16 (County Level Emission Reductions and Descriptions for the Ozone EAC Areas) - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html 7. April 20, 2005 - Correspondence to Mr. Palmer including clarifying supplemental information to the EAC SIP submittal of December 2004. - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html 8. June 2005 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0605.asp							

A. Control Measure under Consideration	B. Summary Description of Measure	C. Program/Measure Status	D. Specific Implementation Date	E. VOC Reduction	F. NOx Reduction	G. Resources (FTE's, \$\$)	H. Additional Information
Upper Savannah, SC (Designated - Attainment) - Greenwood County							
Gas Can Exchange Event							
GREENWOOD COUNTY							
Based on stakeholder consultation and taking into consideration resource and political constraints, the following emission reduction strategies remain under consideration. The County will continue to evaluate the air quality within the county and may implement one or more of the following measures under consideration.							
Land Use - Mixed-Use Development							
Goal - "The location of stores, restaurants, offic							
Allow Mixed-Use Developments	Revise Development Standards to Allow Mixtures of Land Uses in Zoning Districts	Complete	April 2004	directionally sound	directionally sound	n/a	See Comment #3
Develop Incentives for Mixed-Use Developments	Revise Development Standards to Provide Incentives for Mixed-Use Developments	Complete	April 2004	directionally sound	directionally sound	n/a	See Comment #3
Encourage Home Occupations	Revise Development Standards to Encourage Home Occupations	Complete	April 2004	directionally sound	directionally sound	n/a	See Comment #3
Encourage Housing in/near Large-Scale Commercial Developments	Revise Development Standards to Encourage Housing Near Service Areas	Complete	April 2004	directionally sound	directionally sound	n/a	See Comment #3
Encourage Incentives for the Inclusion of Pedestrian and Bike Paths	Revise Development Standards to Include Incentives for Alternative Modes of Transportation	Complete	April 2004	directionally sound	directionally sound	n/a	See Comment #3
Benefits to Reduce Ozone							See Comment #3
-- Lessens Vehicle Trips							
-- Encourages Alternative Modes of Travel							
-- Promotes Bicycle and Pedestrian Travel that Could Replace 18 to 25% of Vehicle Trips							
-- Reduces Energy Consumption by up to 30% if 1 in 10 trips for Shopping or Personal Business was Made on Foot							
-- Savings of 50% of Auto-Related Energy can be Realized when New Residential Developments include Higher Density Housing							
Land Use - Compact Development and Clustering							
Goal - "To concentrate development, thus reduci							
Allow Compact Development and Clustering	Revise Development Standards to Allow Developers Incentives to Cluster Residential Units Together	Complete	April 2004	directionally sound	directionally sound	n/a	See Comment #3
Provide Tax Incentives/Fee Reductions for Compact and Cluster Projects	Revise Development Standards to Provide Reductions in Fees for Cluster Projects	Ongoing Discussion	Ongoing	directionally sound	directionally sound	n/a	See Comment #3
Benefits to Reduce Ozone							
-- Shortens Vehicle Trips							
-- Reduce Summer Air Temperatures by Reduced Impervious Surfaces							
-- Provides Efficient Use of Public Services in a Small Geographic Area							
-- Reduces Vehicle Miles Traveled by 25 to 30% when Density is Doubled							
Transportation - Street and Parking Design							
Goal - "Provide Energy-Efficient Standards for Road Design and Layout, Construction Techniques and Materials, Traffic Optimization and Parking Design"							
Develop Provisions for Safe and Convenient Pedestrian and Bicycle Travel	Develop Sidewalk and Pedestrian Plan Which Outlines Proposed Alternatives to Alternative Travel	Ongoing Discussion	April 2004	directionally sound	directionally sound	n/a	See Comment #3
Continue to Upgrade Traffic Signal Optimization Measures	Assist SC DOT to Upgrade Traffic Signals for Travel Efficiency	Ongoing	Ongoing	directionally sound	directionally sound	n/a	See Comment #3
Evaluate Street Design Standards to Promote Energy Efficiency	Revise Development Standards to Include Design Standards that Promote Energy Efficiency	Ongoing Discussion	Ongoing	directionally sound	directionally sound	n/a	See Comment #3
Benefits to Reduce Ozone							
-- Encourages Alternative Modes of Travel							
-- Optimizes Travel							
-- Shortens Vehicle Trips by Providing Shorter and More Direct Routes							
-- Reduces Vehicle Miles Traveled by up to 60% When Traditional Street Networks are Used							
-- Reduces Vehicle Speeds by Utilizing Appropriate Sizing and Design of Streets							
-- Reduces Ambient Air Temperatures Through Reduced Impervious Surfaces							
-- Reduces Traffic Congestion and Fuel Consumption by up to 19%							
Transportation - Multi-Modalism							
Goal - "Individual Transportation Modes Working Together to Provide Alternatives such as Mass Transit, Rail, Bicycle, or Pedestrian Travel"							
Encourage Alternative Modes of Transportation in New Developments	Revise Development Standards to Encourage Sidewalks, Bike Trails, etc. in Developments	Complete	April 2004	directionally sound	directionally sound	n/a	See Comment #3

A. Control Measure under Consideration	B. Summary Description of Measure	C. Program/Measure Status	D. Specific Implementation Date	E. VOC Reduction	F. NOx Reduction	G. Resources (FTE's, \$\$)	H. Additional Information
Provide for Pedestrian and Bicycle Paths in New Developments	Revise Development Standards to Encourage Sidewalks, Bike Trails, etc. in Developments	Complete	April 2004	directionally sound	directionally sound	n/a	See Comment #3
Encourage New Development to Connect Transportation Facilities Together	Revise Development Standards to Connect Developments Together to Promote Transportation Linkages	Complete	May 2004	directionally sound	directionally sound	n/a	See Comment #3
Benefits to Reduce Ozone							
-- Provides Alternatives to Vehicle Trips							
-- Eliminates up to 3% of all Personal Vehicle Trips and Reduces Fuel Use by More Than 1% if Trips 5 Miles or Less Were Made by Bike or on Foot							
-- Reduces Total Vehicle Trips From 2 to 5% if 20 to 50% of Trips Less than 1/2 Mile Were Made on Foot or by Bicycle							
Transportation - Travel Alternatives							
Goal - "Reduce Vehicular Traffic and Conserve Energy through the Use of Advanced Technology and Workplace Practices"							
Encourage Telecommuting and Home Occupations	Revise Development Standards to Encourage Individuals to Work From Home	Ongoing	Ongoing	directionally sound	directionally sound	n/a	See Comment #3
Develop Partnerships for the Enhanced Usage of Teleconferencing Facilities	Develop a Feasibility Study for Local Organizations to Develop Teleconferencing Facilities	Ongoing	Ongoing	directionally sound	directionally sound	n/a	See Comment #3
Benefits to Reduce Ozone							
-- Reduces One Round Vehicle Trip for Each Day a Worker Telecommutes							
-- Removes Extended Vehicle Trips for Meetings and Training Held at Local Teleconferencing Facilities							
Environmental - Alternative Fuels							
Goal - "Reduce Traditional Gasoline and Diesel Fuel Usage Through Alternative Methods"							
Educate the Public on Availability and Benefits of Alternative Fuels	Develop Public Meetings, Ads, Brochures to Address the Educational Needs of the Local Community	Ongoing	Ongoing	directionally sound	directionally sound	n/a	See Comment #3
Promote the Usage of Alternative Fuels by Local Governments and Agencies	Develop an Alternative Fuel Fleet Program that Analyzes and Promotes Fuel Efficiency	Ongoing Discussion		directionally sound	directionally sound	n/a	See Comment #3
Incorporate the Use of Alternative Fuels into Local Government Operations	Develop a Fuel Efficiency Program that Evaluates the Benefits of the Use of Alternative Fuels	Ongoing Discussion		directionally sound	directionally sound	n/a	See Comment #3
Benefits to Reduce Ozone							
-- Reduces Impacts to the Environment							
Community Facilities - Administration, Policies a							
Goal - "To Serve as a Community Example Thro							
Continue to Enforce Speed Limits	Assist City, County and SCHP in the Enforcement of Local Speed Limits	Ongoing	Ongoing	directionally sound	directionally sound	n/a	See Comment #3
Develop a Comprehensive Energy Conservation Program (CECP)	Develop CECP to Evaluate Energy Conservation Programs for Implementation	Ongoing Discussion		directionally sound	directionally sound	n/a	See Comment #3
Expand and Promote Teleconferencing Facilities	Develop a Feasibility Study for Local Organizations to Develop Teleconferencing Facilities	Ongoing Discussion		directionally sound	directionally sound	n/a	See Comment #3
Promote the Use of Alternative Modes of Travel by Employees	Develop Public Meetings, Ads, Brochures to Address the Educational Needs of the Local Community	Ongoing	Ongoing	directionally sound	directionally sound	n/a	See Comment #3
Benefits to Reduce Ozone							
-- Reduces Energy Costs by as Much as 15% Without Affecting the Level of Service							
-- Reduces Energy Waste and Promotes Conservation through Employee Education							
-- Reduces Vehicle Trips by Alternative Modes of Travel, Carpooling, Telecommuting, and Teleconferencing							
Community Facilities - Site Location							
Goal - "The Selection of Sites for New Communi							
Locate New Facilities Near Transit, Bicycle and Pedestrian Facilities	Develop CECP to Evaluate Energy Conservation Programs for Implementation	Ongoing Discussion		directionally sound	directionally sound	n/a	See Comment #3
Locate New Facilities Near Mixed-Use Developments	Develop CECP to Evaluate Energy Conservation Programs for Implementation	Ongoing Discussion		directionally sound	directionally sound	n/a	See Comment #3
Work with School Districts and Other Govt Organizations in Site Selection	Develop CECP to Evaluate Energy Conservation Programs for Implementation	Ongoing Discussion		directionally sound	directionally sound	n/a	See Comment #3
Benefits to Reduce Ozone							
-- Provides Alternatives to Vehicle Trips							
-- Reduces Vehicle Traffic When Similar Uses are Located Together and Within Adequate Walking Distance							
-- Reduces Vehicle Trips When Additional Uses are Clustered Together Within Close Proximity							
Community Facilities - Fleet Efficiency							
Goal - "To Optimize Fleet Vehicles (Equipment, Systems, Maintenance and Management Procedures) Based on Energy Standards"							
Replace Older Vehicles with More Energy-Efficient Models	Develop an Alternative Fuel Fleet Program that Analyzes and Promotes Fuel Efficiency	Ongoing Discussion		directionally sound	directionally sound	n/a	See Comment #3
Provide Regular Maintenance for Vehicles	Develop a Fuel Efficiency Program	Ongoing Discussion		directionally sound	directionally sound	n/a	See Comment #3

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Assign Vehicles Appropriate to the Task	Develop a Fuel Efficiency Program	Ongoing Discussion		directionally sound	directionally sound	n/a	See Comment #3
Train Maintenance Staff in Procedures that Will Save Energy	Develop a Fuel Efficiency Program	Ongoing Discussion		directionally sound	directionally sound	n/a	See Comment #3
Train Personnel in Fuel Efficient Driving Techniques	Develop a Fuel Efficiency Program	Ongoing Discussion		directionally sound	directionally sound	n/a	See Comment #3
Incorporate the Use of Alternative Fuels Within the Fleet System	Develop an Alternative Fuel Fleet Program that Analyzes and Promotes Fuel Efficiency	Ongoing Discussion		directionally sound	directionally sound	n/a	See Comment #3
Benefits to Reduce Ozone							
-- Increases Fuel Efficiency Through Operation Procedures and Practices							
-- Improves Fuel Economy From 1 to 5% Through Regular Maintenance							
-- Increases Energy Savings Over Time Through the Replacement of Older Vehicles and Assigning Vehicles to the Correct Purpose							
Economic Development - Revitalization and Infill							
Goal - "To Reduce Energy Costs through the Use of Existing Properties in Close Proximity to Existing Infrastructure"							
Encourage Economic Development Efforts to Reuse Existing Properties	Develop CECP to Evaluate Energy Conservation Programs for Implementation	Ongoing Discussion		directionally sound	directionally sound	n/a	See Comment #3
Develop Database on Vacant, Underutilized Properties	Develop CECP to Evaluate Energy Conservation Programs for Implementation	Ongoing Discussion		directionally sound	directionally sound	n/a	See Comment #3
Develop Incentives for the Reuse or Infill of Existing Properties	Develop CECP to Evaluate Energy Conservation Programs for Implementation	Ongoing Discussion		directionally sound	directionally sound	n/a	See Comment #3
Benefits to Reduce Ozone							
-- Provides Alternatives to Vehicle Trips							
-- Reduces Vehicle Traffic When Similar Uses are Located Together and Within Adequate Walking Distance							
-- Reduces Vehicle Trips When Additional Uses are Clustered Together Within Close Proximity							
Community - Planning Programs							
Goal - "To Identify Programs and Actions that Can Reduce Ozone Production and Minimize the Associated Hazards"							
Develop Seasonal Ozone Awareness Program (SOAP) including:	Develop SOAP	Ongoing Discussion		directionally sound	directionally sound	n/a	See Comment #3
Promotion of Employee Education and Action							
Development of Educational Materials/Brochures for Disbursement							
Public Service Announcements							
Notification of Health Warnings							
Notification of Open Burning Bans							
Notification of Small Engine/Lawn Mower Warnings							
Notification of Engine Idling Warning s							
Promotion of Ozone Awareness Through Public Presentations							
Develop Ozone Reduction Action Plan (ORAP) including:	Develop ORAP	Ongoing Discussion		directionally sound	directionally sound	n/a	See Comment #3
Appointment of Ozone Action Coordinator							
Idling Restrictions							
Lawn Mower/Small Engine Restrictions							
Postpone Refueling to Evening Hours							
Transition to Alternative Work Schedules and Flexible Lunch Hours							
Develop an Energy Element to the Comprehensive Plan	Develop Energy Element that Outlines the Energy Usage throughout the County and Plans for the Future Needs of the County's Energy Demand	Complete	March 2004	directionally sound	directionally sound	n/a	See Comment #3
Benefits to Reduce Ozone							
-- Assists EPA and SCDHEC in Public Notifications and Education							
-- Reduces Greenwood County's Impacts on the Environment							

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<p>Comments:</p> <p>1. December 2004 - SC EAC SIP - activity not quantified for several reasons (first) in accordance with EAC Protocol, after all adopted Federal and State controls were accounted for in the modeling, it was determined that local controls were not necessary to demonstrate attainment of the 8-hour ozone standard. Measures were submitted by the local areas to show their continued support and commitment to the EAC process. (second) this activity is directionally sound and should provide air quality benefits and in some cases measurable results. The progress toward implementing this activity and the benefits derived will be documented as a part of the ongoing reporting requirements.</p> <p>2. December 2003 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac.html - additional information provided by the county to include "findings", "advantages/disadvantages", "recommendations", "costs", etc....</p> <p>3. March 2004 - Local Early Action Plan - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0304.asp</p> <p>4. June 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0604.asp</p> <p>5. December 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_1204.asp</p> <p>6. December 2004 - SC EAC SIP - Including Appendix 8 (Local Early Action Plans and the Air Quality Awareness and Improvement Policy) and Appendix 16 (County Level Emission Reductions and Descriptions for the Ozone EAC Areas)- See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>7. April 20, 2005 - Correspondence to Mr. Palmer including clarifying supplemental information to the EAC SIP submittal of December 2004. - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>8. June 2005 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0605.asp</p>							

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Upper Savannah, SC (Designated - Attainment)							
<p style="text-align: center;">LAURENS COUNTY</p> <p>Based on stakeholder consultation and taking into consideration resource and political constraints, the following emission reduction strategies remain under consideration. The County will continue to evaluate the air quality within the county and may implement one or more of the following measures under consideration.</p>							
1. Air Quality Contact	One person will be identified as the Air Quality Contact. At a minimum, this contact will be responsible for ozone education/outreach and dissemination of ozone forecast.	on-going	On-going	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
2. Support Statewide efforts	The county will support the efforts of SCDHEC regarding statewide reduction strategies.	on-going	On-going	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
3. Reduce motorized activities	Laurens County will delay or reschedule mowing and motorized construction and maintenance activities on Ozone Action Days where practical	on-going		n/a directionally sound	n/a directionally sound	n/a	See Comment #3
4. Restrict painting activities	Laurens County will restrict indoor and outdoor painting activities on Ozone Action days where practical.	on-going		n/a directionally sound	n/a directionally sound	n/a	See Comment #3
5. Commuter Actions	Laurens county will encourage ridesharing for all employees in the performance of their duties where practical.	on-going		n/a directionally sound	n/a directionally sound	n/a	See Comment #3
6. Vehicle Maintenance	Laurens County will promote and encourage vehicle care, repair, and maintenance to maintain and achieve air quality.	on-going		n/a directionally sound	n/a directionally sound	n/a	See Comment #3
<p>Comments:</p> <p>1. December 2004 - SC EAC SIP - activity not quantified for several reasons (first) in accordance with EAC Protocol, after all adopted Federal and State controls were accounted for in the modeling, it was determined that local controls were not necessary to demonstrate attainment of the 8-hour ozone standard. Measures were submitted by the local areas to show their continued support and commitment to the EAC process. (second) this activity is directionally sound and should provide air quality benefits and in some cases measurable results. The progress toward implementing this activity and the benefits derived will be documented as a part of the ongoing reporting requirements.</p> <p>2. December 2003 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac.html - additional information provided by the county to include "findings", "advantages/disadvantages", "recommendations", "costs", etc....</p> <p>3. March 2004 - Local Early Action Plan - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0304.asp</p> <p>4. June 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0604.asp</p> <p>5. December 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_1204.asp</p> <p>6. December 2004 - SC EAC SIP - Including Appendix 8 (Local Early Action Plans and the Air Quality Awareness and Improvement Policy) and Appendix 16 (County Level Emission Reductions and Descriptions for the Ozone EAC Areas)- See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>7. April 20, 2005 - Correspondence to Mr. Palmer including clarifying supplemental information to the EAC SIP submittal of December 2004. - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>8. June 2005 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0605.asp</p>							

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Upper Savannah, SC (Designated - Attainment)							
<p align="center">SALUDA COUNTY</p> <p>Based on stakeholder consultation and taking into consideration resource and political constraints, the following emission reduction strategies remain under consideration. The County will continue to evaluate the air quality within the county and may implement one or more of the following measures under consideration.</p>							
1. Air Quality Contact	One person will be identified as the Air Quality Contact. At a minimum, this contact will be responsible for ozone education/outreach and dissemination of ozone forecast.	On-going	On-going	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
2. Support Statewide efforts	The county will support the efforts of SCDHEC regarding statewide reduction strategies.	On-going	On-going	n/a directionally sound	n/a directionally sound	n/a	See Comment #3
Educational and Outreach Efforts		September 23, 2005 - "Three Simple Steps for Fall" bookmarks were placed in each payroll check. December 16, 2005 - "Three Simple Steps for Winter" bookmarks will be given to each employee.		n/a directionally sound	n/a directionally sound	n/a	
<p>Comments:</p> <p>1. December 2004 - SC EAC SIP - activity not quantified for several reasons (first) in accordance with EAC Protocol, after all adopted Federal and State controls were accounted for in the modeling, it was determined that local controls were not necessary to demonstrate attainment of the 8-hour ozone standard. Measures were submitted by the local areas to show their continued support and commitment to the EAC process. (second) this activity is directionally sound and should provide air quality benefits and in some cases measurable results. The progress toward implementing this activity and the benefits derived will be documented as a part of the ongoing reporting requirements.</p> <p>2. December 2003 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac.html - additional information provided by the county to include "findings", "advantages/disadvantages", "recommendations", "costs", etc....</p> <p>3. March 2004 - Local Early Action Plan - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0304.asp</p> <p>4. June 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0604.asp</p> <p>5. December 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_1204.asp</p> <p>6. December 2004 - SC EAC SIP - Including Appendix 8 (Local Early Action Plans and the Air Quality Awareness and Improvement Policy) and Appendix 16 (County Level Emission Reductions and Descriptions for the Ozone EAC Areas) - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>7. April 20, 2005 - Correspondence to Mr. Palmer including clarifying supplemental information to the EAC SIP submittal of December 2004. - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>8. June 2005 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0605.asp</p>							

Enclosure 5

December 2005 Progress Report Document Statewide EAC Activities



11 South Carolina State Measures

A. Control Measure under Consideration	B. Summary Description of Measure	C. Program/Measure Status	D. Specific Implementation Date	E. VOC Reduction	F. NOx Reduction	G. Resources (FTE's, \$\$)	H. Additional Information
1. Outreach and Education							
a. Ozone forecast/outreach, education	To make South Carolinians aware of daily air quality forecasts for ozone season to alert sensitive groups and increase awareness to motivate more people towards lifestyle changes, especially on ozone action days.	A toll free phone number was utilized in 2005 to make the forecast more available. The number of contacts for the e-mail distribution for this season was over 130 contacts (some represent organizations that further distribute the forecast to their staff).	July 2004	directionally sound	directionally sound	n/a	
b. Developed Outreach Materials	Gas Can Exchange	Anderson County organized and planned its own gas can exchange (09/10/2005) with some limited assistance from SCDHEC/BAQ staff. 200 new, environment friendly gas cans were distributed, and 79 used gas cans collected.	9/10/2005	355 lbs/year	n/a	n/a	Reductions reflected in Anderson County Progress Report for December 2005
c. Breathe Better @School Program	Program seeking reductions in air pollution around schools.	Working with a middle school in the Midlands area of Columbia, SCDHEC/BAQ staff helped initiate education materials to support no idling for school buses and car pool drivers. The school developed and implemented a no-idling policy for the grounds. This school was recognized by the Agency's "Champions of the Environment" program. Information is available at http://greenstepschools.com/page1.html	on-going	n/a	n/a	n/a	Information is available at http://greenstepschools.com/page1.html
d. SC Educators trained with Action for a Cleaner Tomorrow	Environmental Education training for teachers	FY 05 saw 28 educators trained	on-going	directionally sound	directionally sound	n/a	www.scdhec.net/recycle/html/action.html
2. Commuting Reduction Programs							
a. Take A Break From The Exhaust (TABFTE)	Computer based Commuter program that encourages reductions by using a point system 286,889 miles reduced 1,076 pounds of VOC's reduced 684 pounds of Nox reduced	2005 Participants included: Bureau of Air Quality Bureau of Water Bureau of Land and Waste Management South Carolina Energy Office Wisconsin Department of Natural Resources	Yearly April - September	1,076 pounds	684 pounds	n/a	www.scdhec.gov/takeabreak/login.asp Total of 286,889 miles reduced

b. SmartRide Program	SC DOT sponsored program giving commuters mass transit service to/from Columbia area. Free rides on Ozone Action Days	Total Newberry-Columbia Jan.-Nov. 2005 = 4,932 boardings. Increase of 200% starting with 338 in Jan. and 659 in Nov. Total Camden-Columbia July1-Oct 30 2005 = 4,770 - approximately double per month the number from July 04 to June 05. Expected CO reductions - 3,166 lbs.	2004	153 lbs.	207 lbs.	n/a	www.scdot.org/getting/SmartRide/smartride.shtml
c. SIGIS carpool matching	SC DHEC's Shared and Integrated Geographic Information Systems group is in the early stages of developing a carpool matching page for Department employees. The proposed intranet page would facilitate ridesharing throughout the state by allowing interested employees to map their commute trip information and view the trips entered by other employees.	on-going	Early 2006	directionally sound	directionally sound	n/a	
d. Best Workplace for Commuters	Bureau of Air Quality designated as a "Best Workplace for Commuters" February 3, 2005. SCDHEC - Bureau of Air Quality currently holds the only designation in South Carolina	Bureau continues to promote this program to EAC areas and within the Department.	February 3, 2005	directionally sound	directionally sound	n/a	www.scdhec.gov/eqc/baq/html/bwc.htm www.commuterchoice.gov
e. Audioconferencing	Opportunity to hold meetings through audioconferencing or teleconferencing. SCDHEC offers employees 3 choices based on the number of participants (up to 6, up to 30, or up to 144 lines)	SCDHEC employees as well as other state agency employees were faced with travel restrictions in the late summer months of 2005. Employees were notified via e-mail of the audioconferencing capability.	on-going	directionally sound	directionally sound	n/a	
3. Ground Level Ozone Awareness Week Proclaimed	To increase awareness of ozone pollution on the lifestyle changes needed to see more reductions in ozone pollution levels	In March 2005, Governor Mark Sanford proclaimed March 28 - April 1, 2005 as Ozone Awareness Week. Beginning March 8, staff provided information, materials, and weekly messages to all EAC contacts that could be used to promote awareness of ground-level ozone. Details of the individual county activities were included in the June 2005 EAC progress report submittal.	March 28 - April 1, 2005	directionally sound	directionally sound	n/a	See comments #7 and #8
4. Regulatory Initiatives							
a. Open Burning-ban household trash burning	Reduce pollution from unnecessary burning	April 14, 2005, DHEC issued a news release reminding citizens in SC of the revised regulations. The revision to the regulation was made in 2004 as a part of the EAC process to improve air quality. Additional news releases were sent out during the Fall to encourage citizens to use alternatives for disposing of yard	2005	698 TPY	147 TPY	n/a	Comments #6, and 7. See the December 2005 Progress Report Document for detailed information.
b. SC NOx Control Reg - new sources	Reduce new sources of Oxides of Nitrogen, a precursor to Ozone pollution	on-going	2005	n/a	2913 TPY	n/a	Comments #6, and 7 See the December 2005 Progress Report Document for detailed information.

5. Assist local areas in determining emission reductions	The Department supports local solutions to local problems.	This activity is on-going	on-going	directionally sound	directionally sound	n/a	See comments 1-8
6. Clean Air Initiatives for Gov Entities	Provide forum for Government Entities to meet and seek reductions in air pollution.	The utilization of the TABFTE grew in 2005, with the Bureau of Water, Land & Waste Management and the SC State Energy Office using this program. The SCDHEC/BAQ also partnered with the SCDOT and the Energy Office to promote ridership on the SmartRide Alternative Transportation project during Ground-level Ozone Season.	April 2005	directionally sound	directionally sound	n/a	Comment #7, CAIGE website www.scdhec.gov/eqc/baq/html/eap_caige.html
7. Smart Highways	Provide improvement in air quality by means of transportation planning	on-going	2005	6,922 TPY	11,025 TPY	n/a	Reductions reflect difference between 2007 and 2002 for deferred nonattainment areas. Comment #6
8. Other Point Source Reductions							
a. NOx reduction-large facilities	Reduce Oxides of Nitrogen	1. Transco Pipeline 2. International Paper 3. Duke Power 4. SCE&G Wateree	April 2005	n/a	1. 2,561 tons 2. 1,000 tons allowable NOx limit 3. 850 tons 4. 40% reduction	n/a	Comments #6, and 7
9. Palmetto State Clean Fuels Coalition Initiatives	****e-mailed Wendy Bell for additional info - 11/23						
a. Biofuels Showcase	The Palmetto State Clean Fuels Coalition hosted a Biofuels Showcase on Friday, November 18, 2005. This event showcased ethanol and biodiesel. Invited speakers were from the National Ethanol Vehicle Coalition, National Biodiesel Board, and Georgia Power. The event also featured a Ride and Drive Event where participants had a chance to drive the alternative fuel vehicles (AFV's) on display.	Biofuels Showcase was held on November 18, 2005.	Nov. 18, 2005	directionally sound	directionally sound	n/a	www.palmettocleanfuels.org/
b. Billion Gallon Celebration	Over the last decade, Clean Cities Coalitions have reported activities that have displaced more than a billion gallons of petroleum in transportation. By implementing projects that make use of alternative fuels, hybrid vehicles, truck idle reduction, fuel blends, and fuel economy improvements, Coalitions have helped build local and regional markets for non-petroleum solutions to our energy challenges.	On October 14, 2005, the Palmetto State Clean Fuels Coalition hosted a variety of celebratory events in Rock Hill, Aiken, Columbia and Greenville.	October 14, 2005	directionally sound	directionally sound	n/a	www.palmettocleanfuels.org/

c. Ethanol Refueling Infrastructure	There are currently 20 publicly accessible E85 refueling infrastructure stations in the Columbia, Greenville, and Aiken areas	· Currently 23 public E85 refueling sites in South Carolina with 4 additional stations planned within the next 6 months. · In addition to the E-85 refueling site located at SCDHEC in Columbia, there are 5 other refueling sites that are not open to the public. These sites include 2 in Aiken County at the Savannah River Site, 1 in Moncks Corner (Berkeley County) at Santee Cooper and 2 in Myrtle Beach. In 2006, USC and City of Rock Hill each have plans to install an E85 refueling site; bringing the total number of non-public refueling sites to 8 during 2006. · In addition to E85, There are currently 3 biodiesel public sites in South Carolina. B2 at Spinx and 2 United Energy Sites.	on-going	directionally sound	directionally sound	n/a	See comments 1-8 www.palmettocleanfuels.org/
Southeastern Alternative Fuels Task Force- Workshop	SCDHEC/BAQ and Wendy Bell/Chantal Fryer participated in and helped to support the planning and implementation of this workshop held in Tennessee, June 6-7, 2005.	Website for the SEATF is: http://www.sealtfuels.org/ . Evaluation results for this workshop is available.	June 6-7, 2005	directionally sound	directionally sound	n/a	
10. Tree City USA	Tree City USA encourages municipalities and areas to have strong urban forestry programs. BAQ sent an email to all 45 EAC areas in SC asking the counties to encourage municipalities within their county to help participate in this program that can benefit air quality.	Currently there are 37 designated areas in SC	on-going	directionally sound	directionally sound	n/a	www.arborday.org/programs/treecity/map.cfm
11. Energy Efficiency							
a. Energy Star	SCDHEC BAQ experienced an estimated 28% energy savings in 2005 using the computer monitor power management software.	BAQ Information Technology staff have completed the necessary installation on the respective servers, and the Bureau of Water and Bureau of Land & Waste Management will be participating. This will increase the number of monitors from 150 to over 500.	January 2005 - September 2005 on-going	directionally sound	directionally sound	SCDHEC received \$15,000 in additional Section 105 grant monies to promote the ENERGY STAR Energy Benchmarking program.	During the reporting period, SCDHEC/BAQ staff met with other state agencies to provide information about Energy Star. These agencies include the SC Energy Office, SC Department of Transportation, and the SC Department of Education. Staff also provided flyers and PowerPoint presentations to EAC counties to demonstrate the benefits of Energy Star to local governments. Future plans include installing Energy Star in other areas of SCDHEC and encourage other state agencies to install Energy Star. Outreach materials and presentations will continue to be made available.

[illegible]

<p>In accordance with the Protocol for Early Action Compacts, after all Federal and State controls were accounted for in the modeling, it was determined that local controls were not necessary to demonstrate attainment of the 8-hour ozone standard. Measures were submitted by the local areas to show their continued support and commitment to the EAC process. (second) this activity is directionally sound and should provide air quality benefits and in some cases measurable results. The progress toward implementing this activity and the benefits derived will be documentd as a part of the ongoing reporting requirements.</p> <p>2. December 2003 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac.html - additional information provided by the county to include "findings", "advantages/disadvantages", "recommendations", "costs", etc....</p> <p>3. March 2004 - Local Early Action Plan - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0304.asp</p> <p>4. June 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0604.asp</p> <p>5. December 2004 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_1204.asp</p> <p>6. December 2004 - SC EAC SIP - Including Appendix 8 (Local Early Action Plans and the Air Quality Awareness and Improvement Policy) and Appendix 16 (County Level Emission Reductions and Descriptions for the</p> <p>7. April 20, 2005 - Correspondence to Mr. Palmer including clarifying supplemental information to the EAC SIP submittal of December 2004. - See - http://www.scdhec.gov/eqc/baq/html/eap_sip.html</p> <p>8. June 2005 - Progress Report - See - http://www.scdhec.gov/eqc/baq/html/eap_dpr_eac_0605.asp</p>	
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